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ACE AND CROFT LILIES OF OUR "LOT 22 L"

They are grown with perfect isolation. This is always good insurance against mosaic virus infections. This Lot has little scale tip rot and produces high crowned bulbs. Vaughan's insist on definite weights per case to insure plenty of substance in bulbs. This is necessary to get good bud averages. All our Lily bulbs are from selected fields, inspected twice, with final inspection for grade and quality before shipping.

**Vaughan's** BOOK FOR FLORISTS *Autumn* **1951**

601 W. JACKSON BLVD., CHICAGO 6—47 BARCLAY ST., NEW YORK 7

# Is this True or False?

## "All Dutch Bulbs are Alike"

**Answer: FALSE!** Just as in this country there are growers who produce "run of the mill" products, and super growers, who grow quality products because they excel in experience, skill, equipment and integrity. Vaughan's Seed Company buyers for 75 years have been searching the world for these super-growers. During all this time except when war interrupted we have imported bulbs from Holland; and every bulb we have bought has passed our special test of quality. Growers in Holland who wished to sell to Vaughan have long understood that to hold our business they must ship us only:

### "THE CREAM OF THE CROP"

Long before the Dutch government set up its bulb controls, Vaughan specifications were being met by the highly selective list of Dutch bulb growers who ship to Vaughan. Only a small proportion of bulbs which pass official tests, can meet our specifications. Don't be deceived when you are told that all bulbs which pass the official test are of equal quality. Your common sense will tell this cannot be true.

For top quality flowers, grow Vaughan quality Dutch Bulbs, "the cream of the crop."

# WE PAY

**Duties  
Freight (to Chicago)  
Cases  
Packing**

And all the other extra costs, impossible to estimate accurately in advance, which you incur when you import bulbs direct.

Place your bulb order with us, at the fixed prices quoted in this catalogue; they cover everything except freight from our warehouse to you. You get the benefit of quantity operations, since we are one of the largest importers of bulbs for florists.

**All orders for Holland Bulbs placed with us before July 1st at open prices will receive a special Import Rate.**

## Double Your Money on Tulips Sold from this Attractive Display

**M**ERCHANDISING bulbs belongs to the florist, who can supply expert advice to purchasers. Profits are large; there is no spoilage; and the business harmonizes with the florist's line, an important point. Our beautiful display box will be an ornament in any flower shop.

Vaughan's ten-compartment display box, staunchly made of 100 point cardboard printed in brilliant colors, will hold 500 bulbs, 50 each of ten varieties.

**This beautiful display box, with 500 Top Size May-flowering tulips, 50 each of ten named varieties, separately bagged, \$23.00**

We use **TOP SIZE BULBS**, the size which sells best over the counter. The 10 named varieties (50 each) of good named varieties. The price to you is \$23.00 for the box and 500 bulbs of 10 named varieties. You retail them for \$1.15 a dozen, or more, because the selection is worth more, doubling your money. Each variety is packed 50 in a bag labeled with its name. You empty one bag into a compartment, and refill in the same manner when it is empty. This prevents mixtures and loss of bulbs. After the display box and first collection have been bought, refill orders will be accepted for \$22.50 for 500 bulbs, 50 each of 10 varieties, in bags of 50; or \$44.00 for 1,000 bulbs, 100 each of ten varieties. Colored pictures are provided to paste on the compartments. This box keeps the bulbs in the open air, thus preventing bacterial rot which comes when they are sealed in cartons. The named varieties are kept apart without mixing, which adds greatly to their value. Varieties Subject to Change Without Notice.



Tulip Display Box Holding 500 Bulbs, 50 each of 10 Named Varieties

Counter Space Needed, 13x29 Inches.

The display box with its garden design printed in brilliant colors, occupies very little space on your counter. It is an ornament to any store. It solves the problem of offering bulbs for sale in the retail shop, without danger of mixing varieties, and losing stock.

CHICAGO  
601 West Jackson Blvd.  
Phone: FRanklin 2-7560

# Vaughan's Seed Company

ALL PRICES IN THIS CATALOG SUBJECT TO CHANGE WITHOUT NOTICE

NEW YORK  
47-49 Barclay Street  
Phone: BArlay 7-4020



# BUYERS: Give this Check List the "Once Over" When Ordering

This is a list of items most commonly used and needed by Greenhouse operators during the catalog months of the year. A glance at the list will probably recall any needs you might have forgotten which would inconvenience you later. It will also be a suggestion aid as to the possibilities of filling any empty benches. Included are a few hints regarding varieties, time of blooming, and culture. All items are listed in our "Books for Florists," but this will give you a quick check for busy months. We are planning to print improvements on this in each book if it is of any value to you. We would appreciate hearing your ideas. Better keep this for reference until the next issue.

## ITEMS TO START IN AUGUST

### FLOWER SEEDS

**Antirrhinum** (for cuttings)  
**Aloe Variegata** (pot plant)  
**Asters** Royal type (see culture)  
**Begonia** pots and combinations  
**Bellis** Spring bedding plants  
**Browallia** (for cutting and pots)  
**Calceolaria** pots and combinations  
**Calendula** (for cutting)  
**Centaurea Cyanus** (for cutting)  
**Cineraria** pots and combinations  
**Cyclamen**  
**Delphinium** (sow for Spring plants)  
**Didiscus** (for cutting)  
**Exacum Affine** (pot plant)  
**Leptosyne** (for cutting)  
**Lupinus Hartwegi** (for cutting)  
**Marigolds** (for cutting)  
**Mignonette** (for cutting)  
**Myosotis** both greenhouse cutting and spring plant varieties  
**Nasturtiums** (for cutting)  
**Nemesia** (cutting and combinations)  
**Pansy** both greenhouse cutting and spring plant varieties  
**Primula Malacoides** Baby Primrose for pots and combinations  
**Schizanthus** (pots, combinations, cutting)

### FLOWER SEEDS—Continued

**Stocks**  
**Statice Suworowii** (cutting)  
**Sweet Peas** (Early)  
**Viola** (Spring plants)

### LAWN SEED

### PERFUME

### SUPPLIES

**Aluminum Phosphate**  
**Bamboo Stakes**  
**Bone & Blood**  
**Bulb Bowls**  
**Hyacinth Glasses**  
**Loma**  
**Pearl Chips**  
**Pot Labels**  
**Red Arrow**  
**Sheep Manure**  
**Soil Shredder**  
**Sphagnum Moss**  
**Super Phosphate**  
**Vapatone**  
**Volk**  
**Yimtoz**

### BULBS

**Freosias**  
**Lilium Candidum**  
**Valley Pips**

## ITEMS TO START IN SEPTEMBER—Continued

### GREENHOUSE

**Azaleas**  
**Cinerarias 2 1/4"**  
**Lantana R.C.**  
**Primula Erickson 2 1/4"**

### SUPPLIES

**Bone & Blood**  
**Loma**  
**Jardiniere**  
**Peat Moss**  
**Raffia**

### SUPPLIES—Continued

**Bombs Parathion, Tepp and Hetp**  
**Ruscus**  
**Super Phosphate**  
**Hyacinth Glasses**  
**Bulb Bowls**  
**Pearl Chips**  
**Cut Wire**  
**Florist Foil**

### NURSERY

**Peonies in field**  
**Hardy German Iris in field**

Planted in Sept.	Benching	Blooming	Culture
Antirrhinum	Nov. 1	May-June	Pinch back to 3 or 4 sets of leaves.
Calendulus	Oct.	Feb.-March	42°-45° Pinch.
Calendulus	Oct.	Dec.-Feb.	48°-50° Pinch.
Centaurea Cyanus	Nov. 15	Mar. 15-later	Lighted.
Chrysanthemums (A)	Nov. 1	March 1-later	Lighted.
Chrysanthemums (A)	Nov. 15	April 15 on	Lighted.
Cineraria	Sept.	April-May	Do not pinch.
Cynoglossum		March-April	Shallow bench 45°.
Didiscus	Nov. 15	April-May	Lighted.
Godetia	Oct. 15	Jan.	Shallow bench, one pinch.
Larkspur	Dec.	April-May	50°.
Lupinus	Sept. 10	Jan.-Feb.	
Marigolds	Sept. 20	Oct.-Nov.	Restricted container, dry side. Do not pinch.
Matricaria	Nov. 15	April-May	Lighted.
Mignonette	Nov.	Jan. 15-April	Do not pinch. Disbud. Sow several seeds 2" pot.
Nemesia	Oct.	Feb.	Medium heavy poor soil. 50°.
Pansies	Nov. 1	Dec.-March	Lighted.
Schizanthus	Nov.	Jan.-Feb.	One pinch.
Stocks	Oct. 22	Feb. 1	
Stocks	Oct. 15	Jan. 20 on	Lighted.
Sweet Peas	Sept.	Dec.-March	See August Culture.
Lantana cuttings	Sept.	May	Pinch Jan. or Feb.
Marguerites (Chry. Frutescens)	Nov.-Dec.	Feb.-June	One pinch.
Freesia bulbs	Sept.	Jan.-Feb.	
Anemones Bulbs	Sept.	Jan.-March	
Iris	Sept.	Feb. & later	
Lilium Giganteum C.S.	Sept. 1	Dec. 1-15	Start 50° until 4 in. Grow 70°-85°.
Lilium Giganteum C.S.	Sept. 15	Dec. 15-30	Start 50° until 4 in. Grow 70°-85°.
Lilium Creole (New Crop)	Sept. 21	Nov. 25-Dec. 15	Given plenty of space can grow cool 50°-60°.

## ITEMS TO START IN OCTOBER

### FLOWER SEEDS

**Antirrhinum** (for cutting)  
**Begonia** (pots and combination)  
**Calendula** (for cutting)  
**Candytuft** (for cutting)  
**Centaurea Cyanus**  
**Chrysanthemum (A)** (for cutting)  
**Cineraria** (combination)  
**Clarkia** (for cutting)  
**Didiscus Coeruleus Imp.** (for cutting)  
**Gypsophila (A)**  
**Larkspur (A)** (for cutting)  
**Lilium Formosanum Gt. Pure White**  
**Lupinus (A)** (for cutting)  
**Matricaria (Feverfew)**  
**Nemesia** (cutting and combinations)  
**Petunia (All Double for Easter)**  
**Salpiglossis** (cutting)  
**Schizanthus**  
**Shamrock**  
**Statice Suworowii**  
**Stocks** (for cutting)  
**Sweet Peas** (Cuthbertson and Early Spencer)  
**Torenia** (plants)  
**Vinca Rosea** (plants)  
**Wallflower Del. Early Wonder (B)**

### BULBS—Continued

**Leucocoryne**  
**Lilium Croft**  
**Lilium Ace**  
**Lilium Estate**  
**Lilium Erabu**  
**Lilium Giganteum**  
**Muscari** (Grown in Flats for cut)  
**Narcissus**  
**Ornithogalum Arabicum**  
**Paper Whites**  
**Ranunculus**  
**Scillas**  
**Snowdrops**  
**Spireas**  
**Tulips**  
**Valley Pips**

### GREENHOUSE

**Ageratum R.C.**  
**Azaleas**  
**Boston Yellow Daisy R.C.**  
**Hydrangeas**  
**Geraniums 2 1/4"** or R.C.  
**Primula 2 1/4"**

### NURSERY

**Peonies in field**

### BULBS

**Anemone**  
**Calla Lilies** (white)  
**Crocus**  
**Freosias**  
**Hardy Lilies**  
**Hyacinths**  
**Iris**

### SUPPLIES

**Bombs-Parathion, Tepp and Hetp**  
**Jardiniere**  
**Loma**  
**Cut Wire**  
**Florist Foil**

Planted in October	Benching	Blooming	Culture
Calendulus	Dec. 1	March & later	42°-45° Pinch.
Chrysanthemums (A)	Dec. 1	April-June	Pinch Dec. 20.
Larkspur	Jan.	Late May	50°.
Lilium Formosanum (Giant Pure White)		July-Sept.	Pot seedlings in 2 1/4 in. pots when large enough to handle and plant out in May.
Statice Suworowii		Feb.-May	Shallow light soil 45°.
Stocks	Dec. 1	April on	40°-46°.
Sweet Peas	Oct.	Jan.-May	See August culture.
Wedgewood Iris	Late Oct.	Jan.-Feb.	Use precooled bulbs for late Dec. bloom'g.
Imperator Iris	Late Oct.	Feb.-March	
Leucocoryne	Oct.	Dec.-Feb.	48°-50°.
Lilium Giganteum (New)	Oct. 1	Jan. 1-15	Start 50° until 4 in. Grow 65°-80°.
Lilium Giganteum (New)	Oct. 15	Jan. 15-30	Start 50° until 4 in. Grow 65°-80°.
Lilium Creole (New Crop)	Oct. 1	Dec. 15	Give plenty of space can grow cool 50°-70°.
Hardy Lilies		See January culture.	

## ITEMS TO START IN NOVEMBER

		BULBS	
Acroclinium (for cutting)		Crocus	
Antirrhinum (for cutting)		Hardy Lilies	
Begonias pots and combinations		Hyacinths	
Calendula (cutting)		Lilium Croft Best Easter Pot Lily,	
Candytuft (for cutting)		handle like Giganteum; larger,	
Centaurea Cyanus (for cutting)		purer white flowers with more	
Cineraria (combination)		substance	
Clarkia (for cutting)		Lilium Erabu	
Cuphea (plants)		Lilium Giganteum	
Didiscus Coeruleus Imp. (for cutting)		Muscari (for cut or pots)	
Gypsophila Elegans Grandiflora		Narcissus	
Larkspur (A) (cutting)		Ornithogalum Arabicum	
Lilium Formosanum		Paper Whites	
Lupinus (A) (for cutting)		Scillas	
Matricaria (for cutting)		Snowdrops	
Petunia All Double (Sow now for		Tulips	
Mother's Day, 4-5" pots)		Valley Pips	
Salpiglossis (cutting)			
Schizanthus (for combinations)			
Shamrock			
Statice Russian (for cuttings)			
Stocks			
Sweet Peas (Cuthbertson and Early			
Spencers)			
Vinca Rosea (plants)			

## GREENHOUSE

Azaleas  
Calceolaria 2 1/4"  
Fuchsia 2 1/4"  
Geraniums 2 1/4" or R. C.  
Hydrangeas  
Lantana 2 1/4"

Planted in November	Benching	Blooming	Culture
Antirrhinum	Jan. 15	March-June	Pinch Jan. 1 to 3 or 4 sets of leaves.
Calendulas	Jan.	April-May	42°-45° Pinch.
Gypsophila	Dec. 1	March	Lighted.
Larkspur	Jan.	April-May	
Lilium Formosanum			See October culture.
Stocks	Jan.	April-May	Grow below 50°.
Sweet Peas	Nov.	March-May	See August culture.
Lilium Croft			See page 2.
Lilium Giganteum N.C.		Easter	Start 50° until 4 in. Grow 65°-75°.
Lilium Creole	Nov.	Jan.-Feb.	Give plenty of space can grow cool 50°-70°.
Polyanthus Roses		Easter	Pot 15 weeks before Easter for grow'g at 60°.
Polyanthus Roses		Mother's Day	Pot 13 weeks before Mother's Day for growing at 60°. (Buds should show 6 weeks before and color 2 weeks before, date wanted).

Lilium Erabu New Crop Nov. 1 Feb. 1-15  
Lilium Erabu New Crop Nov. 15 Feb. 15-28

## ITEMS TO START IN DECEMBER

## FLOWER SEEDS

Ageratum (for spring plants)  
Aloe Variegata (for pots)  
Asters (for Greenhouse forcing)  
Begonias Fibrous (for spring plants)  
Begonia Tuberous (for pot plants)  
Calendula (for cutting)  
Candytuft (for cutting)  
Centaurea Cyanus  
Chrysanthemum (A) (for cutting)  
Clarkia (for cutting)  
Coleus (pot plant)  
Dahlia Unwins (for pots)  
Dracaena (for pots)  
Gloxinia (pot plants)  
Godetia (for cutting)  
Gypsophila (for cutting)  
Heliotrope (for pots)  
Impatiens (for pots)  
Larkspur (A) (for cutting)  
Lobelia (spring plants)  
Marigolds (for cutting)  
Matricaria (Feverfew)  
Nemesia (for cutting and combinations)  
Petunia All Double  
Phlox (Dwarf sorts for combinations)  
Salpiglossis (for cutting)  
Scabiosa (for cutting)  
Stocks (for cutting)  
Sweet Peas (Cuthbertson & Early Spencers)

Planted in December	Benching	Blooming	Culture
Asters Queen Market	Feb. 1	April-May	Lighted Dec. 10 to flowering.
Asters Royal, Crego and			
American Branching	Feb. 1	May-June	Lighted Dec. 10 to flowering.
Calendula	Feb. 1	April-May	Pinched Feb. 15th.
Candytuft	Flatted late Jan.	May-June	Use poor soil, keep on dry side.
Centaurea Cyanus	Feb.	April & later	
Chrysanthemum (A)	Feb. 1	May-July	Pinched Feb. 15th.
Clarkia	Flatted late Jan.	May	Use poor soil, keep on dry side.
Feverfew (Matricaria)	Feb.	May-June	
Gloxinia (Seed)	Dec.-Jan.	August	60°-65°. Grow in shade.
Godetia	Flatted late Jan.	June	Use poor soil, keep on dry side.
Nemesia	Flatted late Jan.	May	Use poor soil, keep on dry side.
Phlox	Dec.	February on.	
Salpiglossis	Feb.	May-June	One pinch.
Scabiosa	Feb.	June	
Stocks	Feb. 1-15	Mother's Day	
Sweet Peas	Dec.	March-May	See August culture.
Venidium	Feb. 25	March-May	
Gladiolus	Dec. 15	May	Plant var. with primulinus blood as they do not come blind with early planting.

## FLOWER SEEDS—Continued

Torenia (plants)  
Venidium (for cutting)  
Vinca Rosea (plants)

## GREENHOUSE

Azaleas  
Ageratum R. C.  
Buddlia 2 1/4"  
Geraniums 2 1/4" or R. C.  
Polyanthus Roses

## SUPPLIES

Holly  
Prepared Wreaths  
Ruscus  
Statice  
Thermometers

## BULBS

Amaryllis  
Chinese Paper Whites  
Gladiolus  
Gloxinias  
Hardy Lilies  
Lilium Croft  
Lilium Erabu  
Lilium Estate  
Lilium Giganteum  
Paper Whites  
Soleil D'Or.  
Valley Pips

Planted in December	Benching	Blooming	Culture
Lilium Creole	Dec.	March-April	Give plenty space can grow cool 50°-75°.
Lilium Giganteum N.C.	Dec. 1-15	For late Easter	Start 50° until 4 in. Grow 65°-75°.
Lilium Erabu	Dec. 1	March 1-15.	
Lilium Erabu	Dec. 15		
Lilium Regale	Dec. 1	Feb.	50° for ten days then 60°.
Lilium Rubrum	Dec.	April-May	
Lilium Album	Dec.	April-May	
Lilium Tigrinum	Dec.	April-May	
Lilium Auratum	Dec.	March-April	
Polyanthus Roses		Easter	See November Culture.
Polyanthus Roses		Mother's Day	See November Culture.

## ITEMS TO START IN JANUARY

## FLOWER SEEDS

Ageratum (for spring plants)  
Aloe Variegata (for pot culture)  
Antirrhinum (for cutting)  
Asparagus Sprengeri  
Plumosus Nanus  
Balsam (Bush var.) (for combination)  
Begonias Fibrous (spring plants)  
Begonia Tuberous (for pot plants)  
Browallia (for pot culture)  
Calendulas (for cutting)  
Candytuft (for cutting)  
Carnation (Annual, for plants)  
Centaurea Candidissima (Dusty Miller)  
Gymnocarpa (Dusty Miller)  
Cyanus (for cutting)  
Chrysanthemum (Annual)  
Cineraria Maritima (Dusty Miller)  
Clarkia (for cutting)  
Cobaea Scandens  
Coleus  
Cuphea (for plants)  
Cynoglossum (for cutting)  
Dahlias Unwin (fine pot plants)  
Daisy Bellis (B) (spring plants)  
Dracaena Indivisa (for pot plants)  
Exacum (pot plants)  
Gloxinia (pot plants)  
Gypsophila (Annual)  
Impatiens (Fine for shade)  
Jacaranda (fine foliage pot plant)  
Kalanchoe (for pot plants)  
Larkspur (Annual, for cutting)  
Leptosyne (for cutting)  
Linaria (for combination)  
Lobelia Plants and combinations  
Lupinus (Annual)  
Marigolds Dwarf (for combination)  
Matricaria Golden Ball Pots and bedding  
Mimulus (for pot culture)  
Nemesia (for combination)  
Nierembergia Hippomanica (for pot culture)  
Pansies Super Maple Leaf Giants  
Mixed Largest Super Swiss Giants (cooler range, size, earliness)  
Petunias All Double  
Phlox Dwarf Varieties for combinations  
Salpiglossis (for cutting)  
Salvia (spring plants)  
Schizanthus (Vaughan's Master-piece for combinations)  
Smilax  
Solanum (Xmas Cherry or Pepper)

FLOWER SEEDS—Continued  
Stocks Column and Branching  
Strawberries (Baron Solemacher)  
Sweet Peas (Early Spencer and Cuthbertson)  
Torenia (for pot culture)  
Verbena Dwarf (for combinations)  
Vinca Rosea (plants)

## GREENHOUSE

Azaleas  
Ageratum R. C.  
Carnation R. C.  
Geraniums 2 1/4" or R. C.  
Hydrangea R. C.  
Cyclamen Seedlings  
Fancy Leaved Caladiums  
Lentana 2 1/4"  
Polyanthus Roses

## BULBS

Amaryllis  
Begonias (Tuberous Rooted)  
Gladiolus  
Gloxinias (Tuberous Rooted)  
Hardy Lilies  
Lilium Croft  
Lilium Erabu  
Lilium Giganteum  
Tuberous  
Valley Pips

## SUPPLIES

Aluminum Sulphate  
Bamboo Stakes  
Bombs-Parathion, Tepp & Hetp  
Bone and Blood  
Formaldehyde Dust  
Handy Seeder  
Hormodin  
Horn Shavings  
Hose Couplings  
Loma  
Nico-Fume  
Paper Pots  
Peat Moss  
Pot Labels  
Rootone  
Vapaton

## VEGETABLE SEED

Cabbage  
Cauliflower  
Celery  
Egg Plant  
Parsley  
Pepper  
Radish  
Tomatoes

Planted in January	Benching	Blooming	Culture
Antirrhinum	March	April-June	Pinch February 15th.
Begonias (Seed)	Jan.	Aug.-Dec.	
Browallia	March	May-June	
Candytuft & Nemesia	Jan.	May-June	Sow directly in flats, bench. One pinch.
Centaurea Cyanus	Feb.	April	
Chrysanthemum (A)	March 1	May	
Clarkia	Jan.	April-May	Grow 2" or shallow flats. Poor soil. Grow under partial shade.
Gloxinia	Jan.	Aug.-Sept.	
Gypsophila	Jan. & every two weeks	March 15	Sow directly in flat or bench. Shade 3 hrs. Aug. 15-Oct. 1. 5-8 P.M. Shade 3 hrs. Sept. 1-Oct. 20. 5-8 P.M.
Kalanchoe 60°-65°	March	Dec. 1-15	
Kalanchoe 60°-65°	March	Christmas	
Leptosyne	March 1	April-May	
Lupinus	Jan.	April	
Petunias	Jan.	April-June	
Salvia	Feb.	July-Aug.	Keep bushy.
Solanum	March	Berried Dec.	Pinch March.
Stocks	March	Memorial Day.	Grow below 50°.
Sweet Peas	Jan.	April-June	See August culture.
Torenia	Feb.	June-July	Pinch March.
Hydrangea (cuttings)	Feb.-April	Easter-June	Do not pinch later than July 1.
Gladiolus	Jan. 15	May	
Lilium Giganteum	Jan. 1	April 15-30	Start 50° until 4 in. Grow 65°-75°.
Lilium Giganteum	Jan. 15	April 25 to May 5	Start 50° until 4 in. Grow 65°-75°.
Lilium Erabu	55°-60°	Better cool grower than Giganteum.	
Lilium Rubrum	Flowers about 5 1/2 months from date of planting.		
Lilium Album	Flowers about 5 1/2 months from date of planting.		
Lilium Tigrinum	Flowers about 5 1/2 months from date of planting.		
Lilium Auratum	Flowers about 5 months from date of planting.		

# Forcing Fall Bulbs

Success in forcing tulips, narcissi, hyacinths, and iris in greenhouses and cold frames is largely dependent upon temperature control. All the factors which influence healthy growth are discussed in the following digest. It combines the basic principles originally established by scientific investigation in Holland, with the results of long experience in producing and forcing tulips under conditions prevailing in the United States. Every florist who attempts to grow these bulbs in a greenhouse or cold frame should be familiar with the facts which follow.

## PRINCIPLES OF GROWTH ON TULIPS AND NARCISSUS

In forcing bulbs exact temperature control must be maintained for optimum results. Following are some of the growing principles that must be followed to get consistently good results from year to year.

When you receive bulbs from us, initiation of their flower buds is complete, and the floral parts may be examined by cutting a few bulbs horizontally with a knife and examining with a microscope. All the parts of the flower should be visible including petals, stamens and pistil. To find the flower bud, start cutting the bulb in the center and gradually work down by small segments in layers. The leaves will surround the flower, and will be cut first, and should not be confused with the flower part. Most varieties respond best to 68° F until the bud has been initiated in the bulb. After bud initiation 48° F is the proper storage temperature.

Precooling is the procedure of controlling the temperature so that the leaves, stem and flower bud elongate most rapidly in proper balance with one another. Most varieties respond best at 48° F for the elongation period. Vaughan's pre-cooled bulbs have been given the optimum elongation temperature, as soon as possible after bud initiation has been complete, so that the best and earliest blooms possible can be obtained.

## PROCEDURE FOR GROWER TO FOLLOW

Upon receiving either pre-cooled or regular Tulip bulbs, plant them at once and grow them as close to 48° F temperature as possible until the shoots are about 2 to 3 inches high. When the plants are at least 2 to 3 inches high they may be moved to the greenhouse bench at listed dates for each variety. When the shoots start to emerge, it is wise to spray all flats or pots with a solution of fermet made in the proportion of 1 pound of fermet to 100 gallons of water with 4 ounces of Grasselli S. S. 3 combined spreader and sticker. This spray will control and prevent the spread of fungous diseases including Botrytis, or tulip "Fire". A dust of 50% sulfur and 50% limestone can also be used with good results particularly as a preventive. This dust should be applied freely after each watering until the flats or pots are removed to the growing bench.

Spotting of Tulip or Botrytis often occurs in late spring when the atmosphere in the greenhouses is very damp. Ventilate fully in order to avoid high temperatures and excessive moisture. Water very carefully and **never over the tops of the plants.**

Tulip bulbs can never be "forced" without taking unnecessary chances of white tip, bud blast or soft, poor quality bloom. If the temperature control has been followed as above, the best and earliest bloom will result without growing at above 60° F. Only certain varieties respond favorably to precooling and early forcing, and poor results will be obtained if late varieties are put in the growing bench too soon. Bulb seasons vary as to their early forcing qualities, and it is necessary to play a little on the late side by a week or so rather than risk the entire crop. 60° F means Day and Night temperatures, and we recommend growing the first two weeks in the bench at 55° F. We have seen bulbs grown at 60° F come perfectly one week after those grown at 67° F had white tip and blasted buds. We recommend the following varieties for early bloom in order of benching and earliness. Single Early and Mendel tulips come into bloom early but their substance generally does not come up to Cottage or Darwins. Approximate dates follow.

## PRECOOLED TULIPS

	Benching	Blooming
Albino	December 5	January 5
Golden Harvest	December 15	January 15
Red Pitt	December 20	January 20
Rose Copeland	December 10	January 10
Wm. Copeland	December 10	January 10
Wm. Pitt	December 20	January 20
Utopia	December 27	January 27
Bartigon	December 26	February 5

## REGULAR TULIPS

Dutch Stock	Benching	Blooming
Albino	December 14	January 21
Golden Harvest	December 21	February 1
Red Pitt	January 1	February 10
Rose Copeland	December 21	February 1
Wm. Copeland	December 21	February 1
Wm. Pitt	December 31	February 10
Utopia	January 7	February 17
Bartigon	January 15	February 20

Varieties may be held for later blooming by continuing the growing at 48° F until the plants are almost ready to bloom in storage or by growing cooler than 60° F on the bench. Tulips should be planted in well drained soil, and not over watered or under watered. They will need more frequent waterings on the bench than in storage. Any well balanced fertilizer improves the color of foliage and flowers, but do not use an overdose.

If it is impossible to plant bulbs at once on their arrival, at least unpack and store them as close to 48° F as possible. Nothing will spoil them faster than temperatures above 70° F.

If you are going to grow them in a cold frame, pick a site with good drainage and water with cold water thoroughly before placing the flats or pots. A shady spot is preferable so that the sun does not keep the soil temperature high during possible warm Fall days. Cover the flats or pots with 3 or 4 inches of sand so that sprouts will not be broken easily when the time comes for moving into the greenhouse. Where winters are severe, put on a heavy layer of leaves or straw just before hard freezes are apt to come in your temperature zone. Spray the tops of pots or flats with Fermet mixture or dust with sulfur mixture on bringing into the greenhouse. Grow day and night at 60° F or below; or 55° F at night and 63° F during the day. Generally speaking tulips grown in storage that is too cold will grow too short with large flowers; if grown in storage that is too warm the flowers will be small on thin, weak stems. Extreme heat in the greenhouses, any temperature from 67° F and up, may cause buds to blast or flower tips to turn white, and have poor color. If the plants become dry at any stage of growth bud blast will result.

We strongly recommend treating all tulip bulbs before planting by dusting with Spergon at the approximate rate of 1 lb. for each 3000 bulbs. Spergon is obtainable in units of 1 oz., 1 lb., 10 lbs. and 100 lbs. This treatment results in giving more even growth of plants by better rooting conditions.

Do not use Cuprinol flats. It definitely hurts tulip rooting.

## IRIS

Wedgewood bulbs handled by us have had the proper curing at increased temperature levels right after harvest. This treatment makes the bulbs bloom 2 to 3 weeks earlier than normal. While precooling in addition makes them bloom 6 weeks earlier than normal.

Example normal dry stored bulbs held at 65 to 75° until 11/20 were pre-cooled at 48° 6 weeks until 1/2. They bloom in 1½ months from planting date using 10 ctm bulbs. About two weeks longer for 8-9 ctm bulbs. Precooling late in season just before planting starting in Nov. or Dec. four weeks at 48° gives best stems.

Iris can be planted as late as December 15th with good results.

Iris bulbs do not have the flower buds initiated until the plant is approximately 2½ inches high in growth and large sizes only may be used for early flowering. Upon receipt of Iris Wedgewood 10 ctm. and up you should plant them and grow at 55° F, not higher, in the bench or in storage; 48° F would be acceptable but delays growth about one week. After the plants are 2½ inches high they should be definitely moved to the greenhouse and the day or night temperature should never be allowed to go above 60° F. Iris need lots of water and can not withstand dry soil conditions. Plant the bulbs shallow in deep flats. Late varieties or small sized Iris bulbs should be grown more slowly at about 45° to 50° F until about two weeks before blooming time when the temperature may be raised to 60° F days and 55° F nights. Plant Iris in deep flats so the roots have plenty of room, and the plants require good light conditions. Foliage may be trimmed as necessary to allow more light and decrease evaporation and drying out of flats, benches or pots.



## NARCISSUS KING ALFRED

Trials at U.S.D.A. Belteville proved one weeks delay in planting precooled K. A. where bulbs were in cases at room temperature delayed bloom 3 weeks and made very uneven growth.

Plant all Narcissus bulbs as soon as received. Bulbs should be grown at 48° F until the shoots are 2 to 3 inches long at least. It does not hurt them to be left in much longer. Precooled King Alfred may be put on the bench as soon as they are 3 inches long. Grow at 60° F for three weeks and finish at 65° F. Narcissi like well drained soil, but water when heavy foliage growth is in crop. November 28 should be about the proper date to set precooled stock on the bench from the bulb cellar or cold frame. Regular stock of King Alfred should follow 2 to 3 weeks later, continuing with other varieties as their foliage indicates on forcing types.

We recommend treating all hardy Narcissus such as King Alfred and especially the Bicolors, by dusting Tersan or Arasan on the bulbs at approximate rate of 1 lb. per 2500 bulbs for the prevention of basal rot in Narcissus, and for more even plant growth. Tersan or Arasan is obtainable in units of 8 oz., 4 lbs., 25 lbs. and 100 lbs.

## HYACINTHS

Unpack Hyacinths in trays at once and store dry in well-ventilated place—55° F is best.

For February flowering store at 60°-65° F and bulbs should not be planted until middle of October.

For later plantings up to January bulbs should be stored in trays in a dry warm place at a temperature of 70° but not higher.

Hyacinths if not planted immediately should be stored at 70° F in a dry place. Delayed planting is permissible for getting quality blooms late. Grow at 50° F in storage until the flower bud is entirely out of bulb at which time transfer to greenhouse for growing on gradually, increasing the temperature up to 70° F over a period of two weeks.

## BULB CULTURE SUMMARIZED

The principal points for success with bulb stock of Tulips, Iris and Narcissus are:

1. Order and plant Tulips and Narcissus on time from September 1 to October 15. Best results out doors are obtained from these planting dates also.
2. Use moist soil in planting bulbs, and plant shallow so there is plenty of food and room for the roots. Water well after planting.
3. After unpacking as soon as received, store bulbs as close to 48° F as possible. Bulbs give off heat; in closed containers this can be serious.
4. Plant as soon as possible, and grow at 48° F until plants are 2 to 3 inches high. All bulbs should be well rooted before being brought into greenhouse. 48° F is a good rooting temperature. If bulbs have heaved up in the flats or pots by their rapid rooting, they should be pressed down again with careful handling.
5. In the greenhouse grow cool, never above 60° F early, or 65° F for last two weeks of growth. This is maximum for day temperatures. Southern growers should have cooler sheds to prevent warm fall days from injuring stock. Ventilate on warm days.
6. Do not allow flats or pots to dry out.
7. Do not plant Iris too close on benches, 3 inches apart in 4 inch rows is about right, or  $3\frac{1}{2}'' \times 3\frac{1}{2}''$  in flats.
8. Use preventive spray or dust on Tulips against Botrytis. 5% dust or spray of Fermate, or 50% Limestone and sulphur.
9. Watch out for bright days raising house temperatures above maximum allowed. Nothing will spoil them faster than temperatures above 70° F.
10. Get to know varieties.
11. Buy from a reliable source where honest size of bulbs, and true varieties can be expected on delivery.
12. Overhead heat is best for bulb culture as pipes under the bench often heat the plants more than the house thermometer indicates. Where pipes under the bench are used it is wise to string a roll of wrapping paper about a foot high above the edge of each side of the bench. This prevents warm air from circulating up around the side of the bench and drying and heating flats along the edges.
13. We have found dusting bulbs with Spergon is a good preventive of rooting troubles in Tulip culture, particularly in late field plantings. Tersan or Arasan dusting for Narcissus.
14. Check your thermometers for accuracy. It is not unusual to find thermometers 5 degrees off and this could ruin a bulb crop run at 65° F close to maximum.
15. Iris wanted for late forcing do not have to be planted immediately upon arrival, but can be planted later in the season, even as late as December 15th. These Bulbs should be stored in trays in a fairly warm and dry place about 70°.

## Lily Forcing

### CREOLES OR FLORIDII

Because the Creole types are grown in the south and have an earlier harvesting season, they are more rapidly grown for early cut flower trade than the western lilies. They have size and substance and can be grown on long heavy stems, and have been in good demand in that work. Naturally by storage treatment they may be held for later planting. They are better grown at a cooler temperature, starting them 50°, then later raising to 55°, which suits them well. They require a little more care during the early stages, as they do not make a strong root growth at the base. Give Creoles plenty of space and light. Lack of light has been found one of the causes of bud blasting and splitting in recent experiments with Creole Lilies.

Blooming time—90-100 days.

## CROFT LILY CULTURE FOR FORCING

The Croft lily bulbs which we ship are precooled and should be planted immediately on arrival, with exception of some Croft Lilies we ship to the coastal areas of Washington, Oregon, and California where some growers pot them for frame growing immediately after the bulbs have been harvested. Where bulbs are not precooled they require about 180 days of growing to bloom them for Easter. Pot in a well drained soil mixture and grow at 60° temperature nights and days for blooming approximately in 125 days.

It is usually easier, and cheaper, to hold a plant back by running temperatures cool the last two weeks than run the risk and expense of having to use high temperatures and the spoilage involved due to late timing.

Lilies keep well in cool temperatures as long as 2 to 3 weeks. By growing them at a steady 60 degrees they will progress rapidly without loss of buds.

After receiving bulbs figure the number of days you have from potting to the time you wish to sell. You will find more than enough time to make Easter.

Buds should be about an inch long 6 weeks before Easter. If your plants show longer buds than this 6 weeks before you wish to sell them, drop the temperature slowly, as a sudden change might check them, and make them very slow to respond to temperature later. If the buds are not quite visible raise the temperature to between 60 and 75 degrees day and night. At 75 degrees they will come into bloom from the bud stage being just visible in about 4 weeks. One can judge from week to week the progress of growth, and consequently how to regulate the temperatures during the last few weeks. Flower buds should be turned down or turning down at least 2 weeks before Easter. Gradual changes are the best and safest way to handle the crop. Water more frequently if temperatures are raised and never grow at above 75 degrees during the days. Higher temperatures than this only makes the plant respire faster, stretch more but bloom no sooner. Often higher temperatures cause loss of foliage and the blasting of buds.

Any nematode in bulbs results in late emergence. It would be a wise precaution to separate late emerging plants from the others until time shows them normal. Do not syringe Croft Lilies early. Syringing is only necessary to prevent dehydration under extremely hot forcing conditions.

## HOW TO GROW SHORT AND EVEN LILIES

1. Bright houses are of great help. Every florist knows that shading will stretch plants. Therefore, have clean glass and give the plants enough room as they develop. Crowding will shade and stretch plants so avoid crowding.

2. Use room temperature water when watering. We have found winter city water as low as 34 degrees coming from the hose. It shocks the plant and slows growth. This necessitates running the greenhouse temperature higher to keep the Lilies growing steadily. The high temperatures cause soft elongated growth.

3. Water wisely! Too much will promote soft tall growth, too little and bud blast will result.

4. Fertilize very lightly but often. 1 or 2 lbs. of 8-8-8 of soluble type in 100 gallons of water used in regular watering schedule once a week after plants are 3 or 4 inches high is a good program using well drained loose soil.

5. Plant the bulbs exactly the same in all pots. 1 inch from the bottom of a 5 or 6 inch pot is a good depth. Easter Lilies are stem rooters and feeders particularly. Fill each pot to the same height with dirt. Thus later when the pot is watered and filled say with  $\frac{3}{4}''$  of water each plant will be receiving the same quantity of water.

6. How Lilies are treated in cold storage, and where they were originally grown influence the type of plant too, but Vaughan's treatment and sources of our stock can be grown by expert growers at any height from 8 inches to 3 feet. We have followed the same stocks to different greenhouses year after year and observed constant height variations depending on the grower.

## ACE LILIES

The improved Croft Lily type "Ace" can stand more rapid temperature changes than Croft. It is very resistant to Botrytis and free of scale tip rot. It requires 20% less bench space due to shorter and more upright foliage. It blooms very freely due to the large amount of chemical substance in its high crown bulb. Our pre-cooling is done to make this Lily bloom in 130 days grown at 64 degrees nights after 30 days at 60 degrees. Sprouts will emerge 2-3 weeks later than Croft planted on same date, but 2 weeks will be gained back from sprout to bloom.

## ESTATE LILIES

Croft size flower of good substance. It grows taller and takes 10 days longer to bloom. It is a free bloomer and a fine Lily to grow for late spring and summer cut flowers or when tall pot plants are desired. The bulb is an exceptionally healthy one generally free of scale tip rot.

# Vaughan's Tulips

The Cream of The Larger Growers Crops

**ALL BULB PRICES SUBJECT TO CHANGE WITHOUT NOTICE**



OUR TULIP TRIALS AT WESTERN SPRINGS, ILL.

## Darwin Tulips

	Top Size		First Size	
	12 ctm. and up	1000	11-12 ctm.	1000
<b>Afterglow.</b> Soft apricot orange, tinged pink fine color for outdoor cut flowers.	\$6.50	\$55.00	\$5.50	\$45.00
<b>Allard Pierson.</b> Glossy deep red. Good for pots or cut flowers. Bring in from Dec. 20th.	5.20	42.00	4.50	35.00
<b>All Bright.</b> Carmine Red. Improved Bartigon Sport. Fine for pots. Bring in from Jan. 15th.	5.20	42.00	4.50	35.00
<b>Aristocrat.</b> Carmine rose edged white. For cut flowers. Bring in from Jan. 15th.	6.60	56.00	5.40	44.00
<b>Bartigon.</b> Fiery crimson. For pots or cutflowers. Bring in from Jan. 15th.	5.20	42.00	4.50	35.00
<b>Bleu Aimable.</b> Bright violet purple. Use for outdoor flowers.	5.20	42.00	4.50	35.00
<b>Chas. Needham.</b> Scarlet red. Good for late cutflowers.	6.50	55.00	5.50	45.00
<b>Campfire.</b> Deep carmine red. Improved Bartigon. Another Bartigon Sport for pots. Bring in from Jan. 15th	5.20	42.00	4.50	35.00
<b>Clara Butt.</b> Soft salmon-pink. Use for outdoor cutflowers.	5.20	42.00	4.50	35.00
<b>City of Haarlem.</b> Cardinal red. For cutflowers. Bring in Jan. 10th.	6.50	55.00	5.50	45.00
<b>Demeter.</b> Reddish purple. For pots or cutflowers. Bring in after Dec. 20th.	6.50	55.00	5.50	45.00
<b>Farncombe Sanders.</b> Rich brilliant scarlet. Use for outdoor flowers.	5.20	42.00	4.50	35.00
<b>Faust.</b> Blackish-Violet. Bring in from Feb. 1.	6.50	55.00	5.50	45.00
<b>Glacier.</b> Pure White for outdoor cutflowers.	7.60	66.00	6.90	59.00
<b>Gloria Swanson.</b> Rosy-red good garden variety.	5.20	42.00	4.50	35.00
<b>Golden Age.</b> Deep Golden Yellow. Good for pots and cut flowers. Bring in from Jan. 25.	6.50	55.00	5.50	45.00
<b>Greuze.</b> Bluish-violet. Garden Variety	5.20	42.00	4.50	35.00
<b>Insurpassable.</b> Lilac. Good for pots and cutflowers can bring in from Jan. 5th.	6.30	53.00	5.50	45.00
<b>King George V.</b> Cherry-rose for outdoor cutflowers.	5.20	42.00	4.50	35.00
<b>La Tulipe Noire.</b> Finest black. Garden Variety.	5.50	45.00	4.50	35.00
<b>Niphetos.</b> Lemon yellow. Good for cutflowers. Bring in after Jan. 25th.	5.20	42.00	4.50	35.00
<b>Philip Snowdon.</b> Deep pink. A Bartigon Sport. Good for pots.	5.20	42.00	4.50	35.00

### DARWIN TULIPS—Continued

	Top Size		First Size	
	12 ctm. and up	1000	11-12 ctm.	1000
<b>Pride of Haarlem.</b> Carmine rose for outdoor cutflowers.	\$5.20	\$42.00	\$4.50	\$35.00
<b>Pride of Zwanenburg.</b> Salmon rose Tall good for outdoor cutflowers.	7.00	60.00	6.00	50.00
<b>Princess Elizabeth.</b> Rose pink with silvery margin. Good for cutflowers. Bring in from Jan. 15th.	5.20	42.00	4.50	35.00
<b>Prunus.</b> Salmon pink. Best pink Bartigon Sport for pots.	5.50	45.00	4.50	35.00
<b>Queen of the Night.</b> Dark velvet-maroon for cutflowers. Bring in after Jan. 20th.	5.20	42.00	4.50	35.00
<b>Red Pitt.</b> Pure red. Sport of Wm. Pitt. For pans and cutflowers. Bring in from Jan. 1st.	5.20	42.00	4.50	35.00
<b>Rev. H. Ewbank.</b> Vivid heliotrope lilac for outside planting.	5.20	42.00	4.50	35.00
<b>Rose Copeland.</b> Lilac-rose for pots and cutflowers. Bring in after Dec. 21st.	5.20	42.00	4.50	35.00
<b>Scotch Lassie.</b> Deep lavender. For outside planting.	6.30	53.00	5.50	45.00
<b>The Bishop.</b> Violet blue. For pans and cutflowers. Bring in after Jan. 25.	7.00	60.00	6.00	50.00
<b>Utopia.</b> Brilliant red. For pots and cutflowers. Bring in from Jan. 7th.	5.20	42.00	4.50	35.00
<b>Venus.</b> Large rose. Garden Variety.	6.50	55.00	5.50	45.00
<b>Victoire D'Oliveira.</b> Carmine red. For pots and cutflowers. Bring in Jan. 5th	5.20	42.00	4.50	35.00
<b>Wm. Copeland.</b> Lavender. Good for pans and cutflowers. Bring in from Dec. 21st.	5.20	42.00	4.50	35.00
<b>William Pitt.</b> Brilliant carmine. Still a good variety for pots and cutflowers. Bring in from Dec. 31st.	5.20	42.00	4.50	35.00
<b>Yellow Giant.</b> Golden yellow. Garden Variety.	5.20	42.00	4.50	35.00
<b>Zwanenberg.</b> Pure white, black anthers. Good for cutflowers. Bring in after Feb. 1st.	6.50	55.00	5.50	45.00
<b>Finest Mixed.</b> A well balanced mixture	5.20	42.00	4.50	35.00

## Triumph Tulips

Being a cross between Single Early Tulip and the Darwins, they can be grown very easily.

<b>Alberio.</b> Cherry-red edged yellow. Fine for pots. Bring in from Jan. 10th.	\$5.20	\$42.00	\$4.50	\$35.00
<b>Crater.</b> Deep carmine-red. Good for pots or cutflowers. Bring in from Jan. 15th.	5.20	42.00	4.50	35.00
<b>Denbola.</b> Deep red edged white. Use for pots or cutflowers. Bring in after January 15th.	6.50	55.00	5.50	45.00
<b>Elizabeth Evers.</b> Deep pink. For either pots or cutflowers. Bring in from Jan. 20th.	5.80	48.00	5.00	40.00
<b>Elmus.</b> Carmine-red edged white. Very fine for pots for Valentine and Easter sales. Bring in after Jan. 15th.	6.50	55.00	5.50	45.00
<b>Kansas.</b> Snow white yellow anthers. For pots or cutflowers. Bring in after January 15th.	5.20	42.00	4.50	35.00
<b>Korneforus.</b> Carmine-red. For pans or cutflowers, good keeper. Bring in from January 10th.	5.20	42.00	4.50	35.00
<b>Red Giant.</b> Large scarlet. For cutflowers or pots. Bring in after Jan. 10th. Good for Easter sales.	8.00	75.00	7.00	60.00
<b>Telescopium.</b> Violet-rose. For either pots or cutflowers. Bring in from January 10th.	5.20	42.00	4.50	35.00
<b>Ursa Minor.</b> Golden yellow. Good for pots. Bring in from January 15th.	5.20	42.00	4.50	35.00

Due to crop conditions please allow us to substitute other varieties and sizes on your order for Tulips.

## Mayflowering Tulips

	Top Size 12 ctm. and up		First Size 11-12 ctm.	
	100	1000	100	1000
<b>Advance.</b> Orange-scarlet. Large cut-flowers. Bring in after Feb. 1st. . . . .	\$6.50	\$55.00	\$5.50	\$45.00
<b>Albino.</b> Pure white. The best white for pans and cutflowers. Start to bring in Dec. 14th. Be sure to remove side shoot searly. . . . .	6.30	53.00	5.50	45.00
<b>Belle Jaune.</b> Deep yellow. Tall. Good for outdoor cutflowers. . . . .	5.50	45.00	4.50	35.00
<b>Carrara.</b> Pure White. Yellow anthers. For pots and cutflowers. Bring in after Jan. 15th. . . . .	5.20	42.00	4.50	35.00
<b>Cordell Hull.</b> Red flamed white. Excellent for pots. Bring in after Feb. 25th. . . . .	5.80	48.00	4.80	38.00
<b>Dido.</b> Orange-red. Late. Can be grown for cutflowers out of doors. . . . .	5.20	42.00	4.50	35.00
<b>Golden Harvest.</b> Soft lemon yellow. One of the best yellows for pots and cutflowers. Bring in after Dec. 21st. . . . .	5.20	42.00	4.50	35.00
<b>Inglescombe Yellow.</b> Canary Yellow. Good for cutflowers. Bring in about February 1st. . . . .	5.20	42.00	4.50	35.00
<b>Marjorie Bowen.</b> Buff and salmon. Tall, good for outdoor cutflowers. . . . .	5.20	42.00	4.50	35.00
<b>Mount Erebus.</b> Pure white. Large flowers. Tall stem. Very fine for outdoor cutflowers. . . . .	6.50	55.00	5.50	45.00
<b>Mother's Day.</b> Lemon yellow supercedes Moonlight. Bring in after February 1st. Excellent for outdoor cutflowers. . . . .	5.20	42.00	4.50	35.00
<b>Mrs. J. T. Scheepers.</b> Pure yellow. Can be used for either Indoor or Outdoor cutflowers. Bring in after February 15th. . . . .	6.50	55.00	5.50	45.00
<b>Ossi Oswald.</b> Creamy white, flushed pink. Can be used for early flowering after February 20th. . . . .	5.20	42.00	4.50	35.00
<b>Themis.</b> Pure white. Very good for pots. Bring in after Jan. 10th. . . . .	5.20	42.00	4.50	35.00
<b>Rosabella.</b> Deep rose light edges. Can be used for outdoor cutflowers. . . . .	6.50	55.00	5.50	45.00

## Breeder Tulips

Used mostly for outdoor planting. They grow tall so can be used for cut-flowers.

<b>Bacchus.</b> Dark violet blue. . . . .	\$6.50	\$55.00	\$5.50	\$45.00
<b>Cherbourg.</b> Deep orange-yellow. . . . .	6.50	55.00	5.50	45.00
<b>Dillenburg.</b> Salmon-orange. . . . .	5.20	42.00	4.50	35.00
<b>Don Pedro.</b> Coffee brown. . . . .	6.50	55.00	5.50	45.00
<b>Indian Chief.</b> Mahogany red. . . . .	6.50	55.00	5.50	45.00
<b>Geo. Grappe.</b> Lavender Mauve. . . . .	6.50	55.00	5.50	45.00
<b>Louis XIV.</b> Rich purple with golden bronze. . . . .	6.50	55.00	5.50	45.00
<b>Panorama.</b> Brownish orange scarlet. . . . .	5.20	42.00	4.50	35.00
<b>Prince of Orange.</b> Orange-scarlet. . . . .	5.20	42.00	4.50	35.00

## Parrot Tulips

<b>Blue Parrot.</b> Petals bright purple blue. Sport of Darwin Blue Aimable, strong stem. . . . .	\$5.20	\$42.00	\$4.50	\$35.00
<b>Fantasy.</b> Salmon pink with green markings. . . . .	5.20	42.00	4.50	35.00
<b>Orange Favorite.</b> Deep orange shaded rose inside, deep orange, scarlet. . . . .	6.80	58.00	5.70	47.00
<b>Red Champion.</b> Parrot of Darwin Bartigon, not quite so large as Fantasy, but born on strong stem, deep red colored. . . . .	7.50	65.00	6.40	54.00
<b>Sunshine.</b> Pure butter yellow. Parrot of Cottage Bouton d'Or. . . . .			7.00	60.00
<b>Therese.</b> Fiery rose-scarlet. Sport of F. Sanders. . . . .	7.00	60.00	5.70	47.00
<b>Violet Queen.</b> Sport from Opal Queen, violet. . . . .	7.30	63.00	6.50	55.00

## TULIPS SPECIES

<b>Fosteriana Red Emperor.</b> . . . . .	6.90	59.00		
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Due to crop conditions please allow us to substitute other varieties and sizes on your order for Tulips.



KEIZERKROON

## Single Early Tulips SINGLE SCARLET ORANGE AND CRIMSON

	Tops Size 12 ctm. and up		First Size 11-12 ctm.	
	100	1000	100	1000
<b>Brilliant Star.</b> Vermillion scarlet; very early. Use for early flowering. Bring in from December 15th. . . . .			\$5.50	\$45.00
<b>Couleur Cardinal.</b> Brilliant crimson; fine bedder. For pots or cutflowers. Start and bring in Jan. 25th. For Easter pans plant bulbs in late Nov. . . . .			5.50	45.00
<b>Cramoisi Brilliant.</b> Bright scarlet. Bring in after Jan. 15th. . . . .			4.50	35.00
<b>Fred Moore.</b> Dark orange, edged yellow. Start and bring in from Dec. 25th . . . . .			4.50	35.00
<b>Prince of Austria.</b> Orange-vermillion; large. You can use for cutflowers. Bring in Jan. 5th. . . . .			4.50	35.00
<b>Prince Carnaval.</b> Red flamed yellow. Bring in Jan. 5th. . . . .			5.50	45.00
<b>Vermilion Brilliant.</b> Dazzling vermilion-scarlet. Use for pots only. You can bring in Jan. 1st. Good for Valentines day. . . . .			5.50	45.00

## SINGLE WHITE

<b>White Hawk.</b> White; very fine. Bring in from Jan. 1st. . . . .	4.50	35.00
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## SINGLE PINK AND ROSE

<b>Ibis.</b> Dark brilliant pink. Start to bring in from Jan. 1st. Can be used for pots or cutflowers. . . . .	4.50	35.00
<b>Pink Beauty.</b> Bright rose-pink shading to blush-white. Use only for Easter pots. . . . .	6.80	58.00

## SINGLE STRIPED, MARGINED

<b>General de Wet.</b> Golden, flushed and stippled fiery-orange-scarlet. For pots or cutflowers. Start bringing in after Jan. 5th. . . . .	\$5.50	\$45.00	4.50	35.00
<b>Keizerkroon.</b> Red, with distinct wide golden border, one of the finest early tulips. Bring in from February 1st. Good for late pots. . . . .	6.50	55.00	5.50	45.00
<b>Sunburst.</b> Orange yellow flushed red. For cutflowers or pots. Start to bring in after Jan. 20th. . . . .			4.50	35.00

## SINGLE YELLOW

<b>Rising Sun.</b> Golden yellow. Bring in after Jan. 20th. . . . .	4.50	35.00
<b>Yellow Prince.</b> Golden yellow; fine forcer. Start and bring in from Jan. 10th. . . . .	4.50	35.00

## MENDEL TULIPS

<b>Her Grace.</b> Rosy pink. The best pink Mendel tulip in the market. Good for pots or cutflowers. Bring in from December 25th. . . . .	\$6.30	\$53.00	\$5.50	\$45.00
<b>Van Der Eerden.</b> Bright crimson red. For pots or cutflowers. Bring in after Jan. 5th. . . . .	5.20	42.00	4.50	35.00





DOUBLE EARLY TULIPS

## Early Double Tulips

### DOUBLE PINK

Tulips marked★ are Murillo tulip sports and can be brought in from Jan. 10th.

	Top Size 12 ctm. and up	First Size 11-12 ctm.
	100	1000

★ <b>Electra.</b> Beautiful dark-rose.....	5.50	\$45.00
★ <b>Peachblossom.</b> Bright pink.....	5.50	45.00
★ <b>Triumphator.</b> Immense double pink, dark salmon, an excellent variety....	5.50	45.00

### DOUBLE RED

<b>Dante.</b> Geranium red. Bring in Dec. 20th.....	6.30	53.00
<b>Scarlet Cardinal.</b> For pots. Bring in from December 20th.....	5.50	45.00
<b>Vuurbaak.</b> Bright scarlet with orange flush. Use for late pots. Bring in slowly from February 10th.....	6.90	59.00

### DOUBLE YELLOW

<b>Couronne d'Or.</b> (Crown of Gold) Beautiful rich golden yellow; marked with orange red. Excellent for pots. Start and bring in from December 30th.....	5.50	45.00
★ <b>Mr. Van der Hoeff.</b> Pure yellow.....	5.50	45.00

### DOUBLE WHITE

★ <b>Schoonoord.</b> Pure white.....	5.50	45.00
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### DOUBLE STRIPED OR OTHERWISE COLORED

	Top Size 12 ctm. and up	First Size 11-12 ctm.
	100	1000

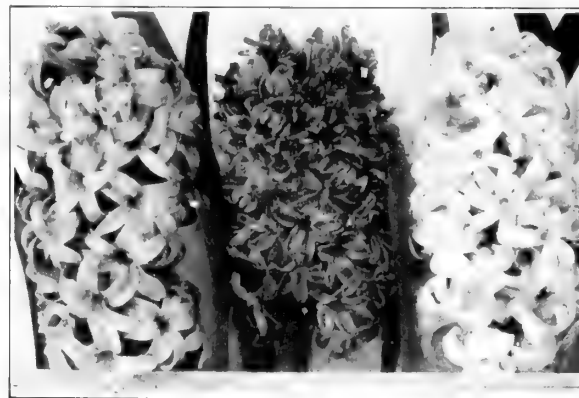
★ <b>Marechal Niel.</b> Golden yellow flamed salmon orange.....	5.50	\$45.00
★ <b>Orange Nassau.</b> Deep orange red.....	5.50	45.00
<b>Toreador.</b> Scarlet-edged, buff-yellow. For pots. You can bring in from Jan. 5th.....	5.50	45.00

## Double Late Tulips

Excellent for pots. Use for late flowering.

	Top Size 12 ctm. and up	First Size 11-12 ctm.
	100	1000

<b>Coxa.</b> Carmine-red. Vermilion edged, very small white border. Large (20 in.) flower. Bring in after Jan. 25th.....	\$7.00	\$60.00
<b>Eros.</b> (20 In.) The large double flowers are of a deep true pink with silvery high-lights. Its double flowers, borne on tall, strong stems, are compared to peonies by all who see them, but we do not know any peony which has its lovely coloring. If you force any do not bring in until after February 15th.....	7.00	60.00
<b>Livingstone.</b> Bright red. Good for pots. Can start to force after Jan. 15th.....	8.00	70.00
<b>Mount Tacoma.</b> (24 In.) A magnifi- cent giant double white Tulip which reminds one of a peony in full bloom; Bring in after Jan. 25th.....	6.30	53.00
<b>Uncle Tom.</b> Dark glittering red. Bring in after Jan. 20th.....	10.00	90.00



HYACINTHS

## Imported Hyacinths FROM BEST DUTCH FIELDS

All January and February forcing should take place in darkness until the sprouts reach about 4 inches growth. Later in season the sprouts will have reached this height outside or in the bulb cellar and can therefore be placed directly on the bench in the greenhouse. If you wish Hyacinths for Easter or later keep bulbs in a warm dry place and plant in December to the middle of January.

Never bring in Hyacinths until the buds are visible and Bulbs are well rooted.

### SINGLE BLUE

**Bismarck.** Bright light blue. For early pots. Start to bring in December 22nd.

**Grand Maitre.** Dark porcelain. Bring in after January 1st. This variety often "splits" sending up several shoots instead of one big spike.

**King Of The Blues.** Dark blue. Good for late pots. Start to bring in January 15th.

**Myostis.** Light blue. Bring in after January 1st.

**Ostara.** Clear blue. Bring in after December 22nd.

**Queen Of The Blues.** Light, azure blue. Bring in after January 18th.

### SINGLE WHITE

**Edelweiss.** Pure white. Compact spike. Bring in after January 15th.

**L'Innocence.** Pure white, compact truss on short stem, fine for pots. Bring in December 22nd.

### SINGLE RED AND ROSE

**Gertrude.** Rose-pink. Bring in from January 1st.

**Jan Bos.** Scarlet. Bring in from December 22nd.

**La Victoire.** Red, good spike. Bring in from January 1st.

**Marconi.** Rose-pink. Start to bring in January 5th. Also good for late pots.

**Pink Pearl.** Clear pink. Bring in about December 22nd. One of the best pinks.

**Queen of Pinks.** Rosy pink. Start to bring in January 15th. Excellent for late pots.

### SINGLE YELLOW

**City of Haarlem.** Golden yellow. Bring in after January 15th  
Grows slowly to get color

	Doz.	100	1000
19 ctm. and up (Top Size).....	\$2.50	\$15.00	\$140.00
18-19 ctm. (First Size).....	2.00	14.00	130.00
17-18 ctm. (Second Size).....	1.80	12.50	115.00
16-17 ctm. (Third Size).....	1.60	10.50	95.00
15-16 ctm. (Bedding Size).....	1.40	9.00	80.00

## French-Roman Hyacinths

These extremely early flowering hyacinths with their long spikes and well placed bells make excellent material for design work, when stock is scarce. Also very useful for retail cutflower work during the holidays. Grow in flats and use for cutting same as Paper Whites.

	Doz.	100	1,000
<b>White.</b> 12-13 ctm.....	\$1.25	\$ 7.80	\$68.00
<b>White.</b> 13-14 ctm.....	1.70	10.50	95.00
<b>Blue.</b> 14 ctm.....	1.00	6.80	58.00
<b>Pink.</b> 13 ctm.....	1.60	10.30	93.00

Due to crop conditions please allow us to substitute other varieties and sizes on your order for Hyacinths.

# Narcissi—American, French and Holland Grown

Our Holland-grown bulbs will come from fields that have been inspected by Hollands best pathologists for diseases and rots. All cases are put on well ventilated ships so that you will receive the bulbs in good condition.

Our American-grown bulbs are grown in Oregon, and Washington where narcissi bulbs grow best. The most modern implements are used so that bruising and disease are reduced to minimum. After digging, our bulbs are stored in temperatures that have been found most satisfactory by eminent English and Dutch experimenters. This temperature treatment hastens the flowering period and keeps the bulbs firm.

For very early forcing we recommend American grown Pre-cooled King Alfred. However orders for these must reach us by August 10th.

## NORTHWEST GROWN STOCKS

### All Yellow Trumpets

King Alfred DN. No. 1. Regular. Bring	100	1000
in December 15th.....	\$10.50	\$95.00
King Alfred DN No. 2. Regular. Bring		
in after January 1st.....	7.00	65.00
Aerolite. Bring in about December 20th...	10.50	95.00
Rembrandt. Bring in about December 20th.....	10.50	95.00

## YELLOW TRUMPET VARIETIES

Golden Harvest—Very large rich golden yellow. For pots or cutflowers bring in January 5th...	\$11.50	\$105.00
King Alfred—Very large rich golden yellow. For pots or cutflowers bring in January 10th.....	9.50	85.00

## BI-COLOR VARIETIES

Queen of Bicolors—Perianth pure white, trumpet canary yellow. Bring in January 15th.....	10.50	95.00
Spring Glory—White perianth, yellow trumpet. For cutflowers bring in January 15th.....	10.50	95.00
Victoria—White perianth, yellow trumpet. For pots bring in January 20th.....	10.50	95.00

## OTHER CLASSES

Actaea (Poeticus) Large Poeticus pure white, cup yellow fiery-red edged bring in after February 1st.....	9.50	85.00
Beersheba—(White Trumpet) Pure white. Bring in after January 20th.....	21.00	200.00
Carlton—(Incomparable) Perianth sulphur-yellow, cup clear yellow bring in about January 10th...	9.50	85.00
Cheerfulness—(Double Poetaz) Creamy white bring in after February 15th.....	7.00	60.00
Early Perfection—(Poetaz) White and yellow bring in after January 1st.....	7.00	60.00
Fortune—(Incomparabilis) Perianth deep yellow, large orange red trumpet bring in after January 15th.....	11.00	100.00
Laurens Koster—(Poetaz) White with orange yellow cup. Bring in after January 20th.....	7.00	60.00
Mrs. E. H. Krelage—(Trumpet) Perianth white, trumpet sulphur-yellow passing to white. Bring in January 25th.....	11.00	100.00
Texas—(Double) Yellow and fiery orange, fine for pots. Good for Valentine day. Bring in about January 15th.....	9.50	85.00
Twink—(Double) Primrose and clear orange, fine for pots. Bring in about January 5 th.....	9.00	85.00
Von Sion—(Double) Yellow, fine for pots. Bring in January 10th.....	9.50	85.00
Special Mixed—For outdoor planting. This mixture is made up of Single and Double Nose Bulbs. per 100, \$6.00 per 1000, \$50.00		

Should we be SOLD OUT of Double Nose Bulbs, please allow us to send either Double Nose Number Two or Round Bulbs.



KING ALFRED

## Narcissus Paper White Grandiflora IMPORTED FRENCH GROWN

Ready in September

Still in great demand for selling over the counter and for growing in dishes. Every Florist shop should carry them. Order early, supply only limited.

Paper Whites. Write for Prices on 5 or More

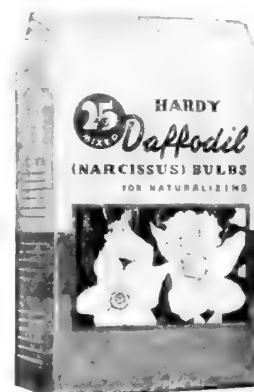
Cases.	100	1000
13 ctns.....	\$7.00	\$60.00
14 ctns.....	7.90	69.00
15 ctns.....	8.20	72.00

Grand Soliel D'Or. Yellow Paper White.

	American Grown	French Grown
14-16 ctns.....	\$7.80 \$58.00	\$13.50 \$125.00
15-16 ctns.....	6.80 68.00	14.60 136.00

## CHINESE SACRED LILIES

14-16 ctns.....	6.80	58.00
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## Sell Daffodils This Fall

We offer a special picture package in brilliant color containing 25 mixed bulbs, and giving cultural instructions. Sure to be a rapid seller. No waste, no picking over.

25 mixed hardy daffodils in picture packages, 10 pkgs. \$12.50  
Retail for 20.00  
Profit \$ 7.50

20 packages for \$24.00;  
Prices F. O. B. Chicago.

Also Packed 12 Bulbs, Picture Package, Each, 65c; 10 Package Lots, 60c Each.

# Vaughan's American Grown Lily Bulbs

From best inspected sources and prepared with the correct storage until shipped to give you best results at Easter Time.



Clark Slocum originator of The Ace Lily shown with his mother block from which all his planting stock originates. These bulbs are sold only by Vaughan's Seed Co.

## ACE LILIES

The best "Croft" type of Lily grown! Grow 30 days at 60 degrees then 64 degrees for blooms in 130 days.

1. Ace takes less bench space, as its foliage is more up-right.
2. Ace is grown for Vaughan's by growers who grade generously on sizes. Priced at slightly higher than Croft.
3. Ace is a high crowned bulb with tight fitting scales, that will give you more flowers per size planted.
4. Ace is selected for high bud count by Mother block system of stock bulblets.
5. Ace is botrytis disease free.
6. Ace is very resistant to scale tip rot.
7. Ace has a very strong stem not requiring staking.
8. With an exclusive better product you will be in better marketing position.
9. When properly cold stored it emerges two weeks later than regular Croft but blooms at the same time.

Nine "Ace" reasons will be enough to win Easter business from the toughest competition. Grow "Ace" Lilies.

Ace flowers are about 1 inch shorter than Croft but open slightly wider. Foliage is darker green, shorter and more upright in growth.

It is another fine introduction by Vaughan's Seed Company Pioneers in proper storing of all types of Lilies, Narcissus, Tulips and Iris. We deliver consistently good quality at reasonable prices. Car lot purchases of all bulbs enable us to deliver in less time with much less risk of heating. Our volume warrants extra service to you of experts inspecting fields, packing and supervising and shipping. Do not gamble on unknown sources when it takes four or five good crops to make up for one poor one.

## ACE PRICES

	100	Case
7-8 inch, case lot (250 to case).....	\$24.00	\$57.50
8-9 inch, case lot (200 to case).....		90.00
9-10 inch, case lot (150 to case).....		80.00

## ESTATE LILIES

Grown on the West Coast. Especially fine for cut flowers for Spring, Summer and Fall blooms. It is free flowering, tall, and has flowers equal to Croft about 10 days more growing time required than for Croft.

Case of	Per 100	Per case
7-8 in. (250).....	\$22.00	\$50.00
8-9 in. (200).....	38.00	72.00
9-10 in. (150).....		67.00
10 in. and up (100).....		55.00

## CROFT LILIES WEST COAST GROWN

Our bulbs will be generously graded with a double check of a minimum weight requirement per case. All Vaughan's bulbs will be from fields inspected by us twice during the growing season. Packing is done with our supervision and per our specifications.

For later blooming cut Lilies. Our bulbs will be stored under the latest temperature information that "Holds that high bud count." This involves additional work and expense for us, but we consider it an important part of our service to supply the highest quality stock possible.

Pot Lilies 1 inch from the bottom of pot so that there is plenty of soil above the bulb for the stem or feeding roots. Be sure the soil level is the same height in all pots about  $\frac{3}{4}$  inch from top so that when pots are watered all pots receive about the same quantity. Close attention to the above encourages even growth of plants and less shifting later.

We recommend feeding plants every week after 2 inches high with a balanced fertilizer high in nitrogen particularly to avoid "leaf spot". An 8-8-8 of soluble type of 2 lbs. in 100 gallons of water is safe to water in the pots once a week. Water with the solution of fertilizer at night so there is less danger of temperature going up and causing burning and be sure the plants are not suffering from lack of water or dehydration before fertilizer and water solution is applied. This also prevents dehydration due to concentration of salts outside of roots.

Our bulbs will be cooled properly for easy forcing in 130 days at 60 degrees with maximum bud count.

## CROFT PRICES

	Per 100	Per Case
7-8 inch (250) Bulbs to case.....	\$22.00	\$50.00
8-9 inch (200) Bulbs to case.....		82.00
9-10 inch (150) Bulbs to case.....		73.00
10-11 inch (100) Bulbs to case.....		57.00

## LILIUM ERABU

Use for Early Forcing or for Easter in 55-58 degrees.

	Per 100	Per Case
7-9 inch (300 to case).....		\$42.50
8-10 inch (225 to case).....		42.50
9-10 inch (200 to case).....		38.00

## LILIUM REGALE

The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges

	Per 100	Per Case
6-7 inch (300 to case).....	\$ 9.00	\$25.00
7-8 inch (250 to case).....	12.00	28.00
8-9 inch (200 to case).....	16.00	30.00
9-10 inch (150 to case).....	21.00	30.00

## Imported Japanese Lilies

### LILIUM GIGANTEUM (VAUGHANII)

7 to 9-inch (300 to case).....	} Write for Prices
8 to 10-inch (225 to case).....	
9 to 10-inch (200 to case) (scarce).....	

### AURATUM—GOLD-BANDED

Flowers white, dotted crimson, with a clear golden band running through center of each petal; very fragrant.

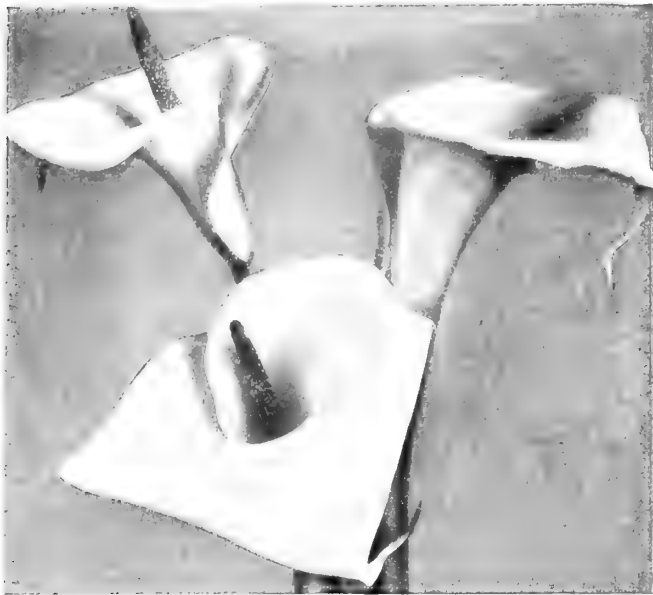
	Per 100	Per Case
8 to 9 inches (200 bulbs to case).....	\$22.50	35.00
9 to 11 inches (125 bulbs to case).....	40.00	40.00
11 to 13 inches (90 bulbs to case).....	45.00	40.00

### SPECIOSUM RUBRUM MAGNIFICUM

Flowers are of good substance; will last a long time and do not all open at once. One of the best varieties for cold storage purposes.

	Per 100	Per Case
7 to 9 inches (250 bulbs to case).....	\$18.00	\$38.00
8 to 9 inches (200 bulbs to case).....	22.00	38.00
9 to 10 inches (140 bulbs to case).....	25.00	32.50
9 to 11 inches (125 bulbs to case).....	28.00	30.00
11 to 13 inches (90 bulbs to case).....	35.00	27.00

# Miscellaneous Bulbs



WHITE CALLAS

## Giant Hybrid Amaryllis

One of the finest strains of Amaryllis we have ever seen. Flowers are immense, composed of broad, well-rounded, overlapping petals; of the most perfect form, ranging in color from pure white grounds with varied markings of rose, red and crimson to the richest self colors as scarlet, crimson, bright red, cherry and almost maroon.

Bulbs  $2\frac{1}{4}$  inches and more are sure bloomers.

Amaryllis Bulbs are good sellers in Florist Shops.

SELECTED MIXED HYBRIDS	Doz.	100	1,000
$2\frac{1}{4}$ - $2\frac{1}{2}$ inch.....	\$2.00	\$15.00	\$140.00
$2\frac{1}{2}$ - $2\frac{3}{4}$ inch.....	2.50	18.00	170.00
$2\frac{3}{4}$ -3 inch.....	3.25	23.50	225.00

## ANEMONES

Ready in September

One of the most showy flowers, good for cut flowers. They thrive in any soil except a very heavy clay. Set 10 inches apart, about  $\frac{1}{2}$  inch deep. Sunny location, plenty of moisture.

	Per 100	Per 1,000
DeCaen, Single Poppy Type, mixed, $\frac{3}{4}$ - $\frac{7}{8}$ in....	\$4.75	\$37.50
$\frac{5}{8}$ - $\frac{3}{4}$ inch.....	3.80	28.00
DeCaen, Blue Poppy, bright blue, $\frac{5}{8}$ - $\frac{3}{4}$ in....	4.50	35.00
DeCaen, His Excellency, bright scarlet, $\frac{5}{8}$ - $\frac{3}{4}$ in....	4.50	35.00
DeCaen, The Bride, white, $\frac{5}{8}$ - $\frac{3}{4}$ in....	4.50	35.00
DeCaen, Sylphide, pink, $\frac{5}{8}$ - $\frac{3}{4}$ in....	4.50	35.00

**Anemone St. Brigid Irish Champions.** The largest flowered strain of Anemones ever offered in the United States. Large, brilliant flowers in a wide variety of colors, 90% full double.

	Per 100	Per 1,000
$\frac{1}{2}$ - $\frac{5}{8}$ in. Bulbs.....	\$2.50	\$18.00
$\frac{5}{8}$ - $\frac{3}{4}$ in. Bulbs.....	4.50	35.00

## BRODIAEAS

**Capitata.** The California Hyacinth, has slender stems, 6 to 12-inch, high capped with a close cluster of violet blue flowers. Flowers hold up well, so should be good for Florist's use. 100, \$4.50; 1,000, \$35.00

## CHIONODOXA (Glory of the Snow)

These are among the most beautiful of our spring-flowering bulbs, coming into bloom soon after the snow is gone. Grows well in any good garden soil, and when once planted requires no further care. Looks best when planted in lines or clumps.

**Lucillae.** Flowers of a brilliant sky-blue color with white center.

Per 100, \$2.20; per 1,000 \$12.00

**Sardensis.** Deep blue. Per 100, \$2.20; per 1,000, \$12.00.

## CALOCHORTUS or MARIPOSA TULIP

These famous California flowers resemble a tulip in shape, and are of many colors, shades and markings. Try a few in a cool house. Mixed, per 100, \$4.75; per 1,000, \$37.50.

## WHITE CALLA

(Aethiopica) Ready in September

Callas being natives of swampy regions grow to best advantage where there is an abundance of moisture, and are therefore very difficult to handle in the curing. Some growers practice **premature cutting off the tops**, expose bulbs to the sun, in order to make early shipment.

Our stock is **thoroughly cured in the ground and dried carefully** before they are packed. This means **later delivery** but better results can be obtained from such bulbs.

We caution forcers of Callas to water this stock sparingly after planting because Calla bulbs store up considerable moisture.

Size	Per 100	Per 1,000
$1\frac{1}{4}$ - $1\frac{1}{2}$ inches.....	\$ 9.00	\$ 80.00
$1\frac{1}{2}$ - $1\frac{3}{4}$ inches.....	17.00	160.00
$1\frac{3}{4}$ -2 inches.....	22.00	210.00
$2$ - $2\frac{1}{2}$ inches.....	29.50	285.00

## YELLOW CALLAS

(Elliotiana)

Yellow callas are very attractive as pot plants. A few pots of this golden yellow flower placed in a display window draw much attention and sales. Grow a hundred and see how quickly they sell.

	Doz.	100	1,000
$2$ - $2\frac{1}{2}$ inch.....	\$2.70	\$17.50	\$165.00
$2\frac{1}{2}$ -3 inch.....	4.75	32.00	300.00

## PINK CALLA

(Rehmanni Superba)

Truer pink than the old Rehmanni and make larger plant with longer stems on the flowers. Blooms sold very well on all major markets.

	Doz.	100	1,000
$1\frac{1}{4}$ - $1\frac{1}{2}$ inches.....	\$1.70	\$11.00	\$100.00
$1\frac{1}{2}$ -2 inches.....	2.25	14.50	135.00
$2$ - $2\frac{1}{2}$ inches.....	3.30	21.50	205.00

## CROCUS

Large Flowering

	8-9 Ctns. 100	1,000	9-10 Ctns. 100	1,000	10-11 Ctns. 100	1,000
Blue and Purple.....	\$2.50	\$15.00	\$2.80	\$18.00	\$3.10	\$21.00
White.....	3.25	22.50	3.70	27.00	4.20	32.00
Striped.....	3.25	22.50	3.70	27.00	4.20	32.00
Yellow.....	3.70	27.00	4.10	31.00	4.80	38.00

## FREESIAS—California Grown

	100	1,000
Elders Giant White. $\frac{1}{2}$ to $\frac{5}{8}$ .....	\$2.75	\$17.00
Kokomo. Lavender blue. $\frac{1}{2}$ to $\frac{5}{8}$ .....	2.50	15.00
$\frac{5}{8}$ to $\frac{3}{4}$ .....	3.00	20.00
Knives yellow. Canary yellow. $\frac{1}{2}$ to $\frac{5}{8}$ .....	2.50	15.00
$\frac{5}{8}$ to $\frac{3}{4}$ .....	3.00	20.00
Tecolote in colors. White, Rose, Purple, Red, White and Pink. $\frac{1}{2}$ to $\frac{5}{8}$ .....	2.50	17.00
$\frac{5}{8}$ to $\frac{3}{4}$ .....	3.50	25.00
Vaughan's Early White. $\frac{1}{2}$ to $\frac{5}{8}$ .....	2.50	15.00
$\frac{5}{8}$ to $\frac{3}{4}$ .....	3.00	20.00
Rainbow Mixed. $\frac{1}{2}$ to $\frac{5}{8}$ .....	2.00	14.00
$\frac{5}{8}$ to $\frac{3}{4}$ .....	3.00	22.50

## IXIA

These easily grown, quick selling bulbs are rapidly becoming popular as cut flowers. Planted from September to early December in pots or bench, they produce beautiful, long stem flowers during late February and early March. Main requisites for successful growing are careful watering at beginning of growth, and a cool temperature (Carnation temperature, or cooler).

	100	1,000
Mixed.....	\$2.50	\$15.00

## IRIS—WEDGEWOOD

**Standards Blue.** Falls lighter blue. Very reliable bloomer. The larger bulbs can be brought into flower in January.

8-9 ctns.....	\$3.00	\$20.00	\$2.20	\$12.00
9-10 ctns.....	5.50	45.00	3.10	21.00
10 ctn and up.....	7.00	60.00	4.50	35.00

## MISCELLANEOUS BULBS—Continued

## DUTCH IRIS

	Holland	Grown
<b>Blue Triumphator.</b> Clear blue follows wedgewood in blooming time.	100	1000
6-7 ctm.	\$2.50	\$15.00
7-8 ctm.	3.50	25.00
8-9 ctm.	4.25	32.50
<b>Golden Harvest.</b> Golden yellow		
6-7 ctm.	1.10	10.00
7-8 ctm.	2.45	14.50
8-9 ctm.	3.10	21.00
<b>H. C. Van Vliet.</b> Deep blue.		
6-7 ctm.	2.50	15.00
8-9 ctm.	3.20	22.00
<b>Imperator.</b> Deep blue. One of the best for greenhouse growing.		
6-7 ctm.	1.10	10.00
7-8 ctm.	2.45	14.50
8-9 ctm.	3.10	21.00
<b>White Excelsior.</b> Pure white.		
6-7 ctm.	1.10	10.00
7-8 ctm.	2.45	14.50
8-9 ctm.	3.10	21.00
<b>Yellow Queen.</b> Standards, pale yellow. Falls golden yellow.		
5-6 inch.	1.10	10.00
6-7 inch.	2.45	14.50
7-8 ctm.	3.20	21.00

 LEUCOCORYNE IXIODES ODORATO  
(Glory of the Sun)

Heads of large, fragrant flowers, blue with white center, carried gracefully on a wiry stem about eighteen inches tall. Culture same as freesias. This novelty has received much favorable comment, winning several European awards.  $\frac{1}{2}$ - $\frac{5}{8}$  in., per doz., 75c; per 100, \$5.00; per 1,000, \$45.00.

## ORNITHOGALUM

<b>Arabicum.</b> Star of Bethlehem, white with black base. 2-2 $\frac{1}{4}$ inches.	Doz.	100	1,000
	\$0.90	\$6.00	\$50.00

## MUSCARI (Grape Hyacinth)

Make good pot plants some growers use for cut flowers you can bring into greenhouses after January 15th.

	8-9 Ctm.	9-10 Ctm.
<b>Armeniacum.</b> Deep blue, large flow-ers.	100 1,000	100 1,000
	\$2.20 \$12.00	\$2.40 \$14.00

**Early Giant.** Improved Armeniacum  
Larger bells and a little lighter in color. Blooms about 10 days earlier. 2.20 12.00 2.40 14.00  
**Alba.** Pure white. Tops size per 100, \$3.50, 1,000, \$25.00.

## RANUNCULUS

Bulbs are claw-like in shape and should be planted with claws downward two inches deep and ten inches apart. Soak bulbs same as Anemones. Vaughan's exclusive Victoria Hybrids have no rivals in abundant bloom, percentage of doubles, strong stems, and size of flowers. The color range embraces pink, yellow, orange, brilliant scarlet, vivid apricot and innumerable tints of these colors.

Tops $\frac{3}{8}$ to 1 inch.	per 100, \$6.00; per 1,000, \$50.00
No. 1 size $\frac{3}{4}$ to $\frac{7}{8}$ inch.	per 100, 4.30; per 1,000, 33.00
No. 2 size $\frac{5}{8}$ to $\frac{3}{4}$ inch.	per 100, 3.25; per 1,000, 22.50
No. 3 size $\frac{1}{2}$ to $\frac{5}{8}$ inch.	per 100, 2.40; per 1,000, 14.00

## SNOWDROPS

	100	1,000
Single, 6 ctm., and up.	\$3.50	\$25.00
Double, 5-6 ctm.	4.20	32.00

## SCILLAS

Campanulata Blue.	\$2.80	\$18.00
Campanulata Rosea.	2.80	18.00
Campanulata White.	2.80	18.00
Nutans Blue.	3.30	23.00
Nutans White.	3.90	29.00
Siberica Blue.	2.80	18.00
Spring Beauty, improved siberica, brighter blue.	3.00	20.00

## SPIRAEAS

For Easter and Mothers' Day Blooming

Freeze roots before potting. Grow 90 days for Easter. Grow 75 days for Mothers' Day. Temperature 55 degrees.  
Pink and white varieties of best named. Per doz., \$5.50; 100, \$37.50



## Paper White Display

WITH IMPORTED FRENCH GROWN BULBS

## Vaughan's Paper White Display Box as Illustrated, Together With

100 Bags, each holding 3 bulbs, 13-14 ctm., (300 bulbs)	\$20.00
100 Bags, each holding 3 bulbs, 14-15 ctm., (300 bulbs)	21.50
100 Bags, each holding 3 bulbs, 15-16 ctm., (300 bulbs)	24.00

EVERY customer who enters your store is a prospect for a sale of Paper White narcissus bulbs. Here is a carefully designed, thoroughly tested method of displaying and selling them at a minimum of trouble and expense and the maximum of profit.

Florists cannot afford to sell inferior bulbs. Vaughan's bulbs of 13-14 ctm. circumference and up are of flowering size and highest quality. Three bulbs are enclosed in an illustrated bag which prevents picking over of the individual bulbs, injurious handling and resultant waste. Every bulb we ship you can be sold at a profit.

Our Paper White display box, specially reinforced, decorated in black, red and green, will harmonize with your store display and sell its contents. It occupies 10 by 20 inches space, and one filling provides \$40 to \$48 sales at 100% profit. Why let chain stores get sales which should be yours?

Paper White Display Box, 10x20 inches, Holding 100 Illustrated Bags



# "SNAPS" for Greenhouse Forcing



ANTIRRHINUM Christmas Cheer, Ethel, Better Times

Snapdragon being one of the leading Florist Greenhouse crops, we have followed very closely the development of the Winter Flowering or Forcing type and offer the following approved varieties.

Varieties followed by (X) are sold in ½ trade pkts. at 60c each.

If you are not growing Hybrid Snapdragons, suggest you try them. Due to their vigor these Early Hybrids give maximum production as a Winter Crop.

## NEW HYBRIDS FOR 1951

**Barbara (Yoder).** The large bronze florets, with pink throat and bright bronze lips, are borne on long spikes. Vigorous grower. The earliest of the bronze group.

**Patricia (Yoder).** The medium sized florets of rich yellow with full deep yellow lower lip are borne on long spikes. Vigorous grower; fast taking the lead as the best yellow for winter blooming and cloth house culture.

**Priscilla Ann (Yoder).** Long graceful spikes with large velvety-crimson florets. At times a faint touch of yellow is noted on the lip. The earliest crimson.

Each of the above: ½ trade pkt., \$1.75; trade pkt., \$3.00.

## YELLOW

	Trade pkt
<b>Ethel.</b> A large, bright yellow flower, winter bloomer, well formed head, good stems.....	\$1.50
<b>Gilbert's Yellow.</b> Bright yellow. Gives a high percentage first grade flowers.....	2.00
<b>Gold Mine (Weddle).</b> Hybrid. Deep golden yellow, slightly fringed. Early, with strong fine stems and spikes with excellent placement of large florets..... ½ Trade pkt., \$1.75	3.00
<b>Goldrush.</b> (Winkler). Hybrid. A hybrid for greenhouse forcing to fill the need for a vigorous, free-flowering yellow snapdragon. The large florets are deep Jonquil yellow slightly ruffled, producing a long, well filled spike. Sown early it will yield up to three full crops, very uniform..... ½ Trade pkt., \$1.75	3.00

## YELLOW—Continued

<b>Schlegel's Yellow.</b> Early and vigorous grower for early and late flowering.....	\$1.50
<b>Witterstaetter's Yellow.</b> A large floreted strong deep yellow spike of vigorous non-grassy growth which can be pinched low. Should be planted after "Mums".....	2.50
<b>Yellow Hybrid No. 1 "Golden Spike".</b> (Ball) A rich golden yellow with long stems and flower spikes; very productive. Can be flowered in January from a mid-July sowing..... ½ Trade pkt., \$1.75	3.00

## PINK AND ROSE SHADES

<b>Better Times (Windmiller).</b> Hybrid. A real American Beauty rose red. It is a first cross like Christmas Cheer but a deeper color. Excellent for Christmas and Valentine's Day.....	2.00
<b>Charm (Hodaly).</b> A rich, lively rose with excellent placement of the florets, and a full flower stem. With an early July sowing the bench will be in full bloom, under average conditions, by January 20th.....	2.50
<b>Christina (Yoder).</b> Hybrid. The best light rose pink Hybrid, slightly deeper in color than Mary Ellen and with larger florets. A vigorous medium early variety with almost no side growth..... ½ Trade Pkt., \$1.75	3.00
<b>Christmas Cheer (Windmiller).</b> Hybrid. The earliest rose-pink. Fine spike, excellent for Christmas and comes back for second and third crops..... ½ Trade pkt., \$1.75	3.00
<b>Delworth's Supreme.</b> A Canadian introduction by the well known grower Cecil Delworth. It is a selection of Cheviot Maid, made over a period of ten years for earliness and uniformity.....	1.50
<b>Dorcas Jane (Dorcas).</b> Hybrid. Light pink slightly larger flower than Mary Ellen and shade deeper and a little earlier, with a clean habit of growth and outstanding vigor..... ½ Trade pkt. (1,000 seeds) \$1.50; 2,000 seeds	2.50
<b>Gilbert's Pink Queen Supreme.</b> This is several shades deeper than Cheviot Maid Supreme and is particularly noted for the fact it produces perfect flower-heads.....	2.00
<b>Gilberts Pamela Pink (Gilbert).</b> A good medium pink with flower spikes ranging from eight to sixteen inches long, having very good stems and clean foliage. An early winter flowering variety..... ½ Trade pkt., \$1.75	3.00
<b>Kathleen (Hoffman) Hybrid.</b> A fast growing, pastel pink with long spike and well spaced florets. The outstanding features of this variety are its excellent keeping and shipping qualities and its ability to withstand high greenhouse temperatures in Spring and Fall. A June 1st sowing will produce three full crops. A favorite in the New York Market..... ½ Trade pkt., \$1.75	3.00
<b>Maidens Blush Improved.</b> Appleblossom pink with white tube.....	1.50
<b>Marie Louise.</b> Beautiful sea-shell pink. Strong and free-branching, producing long strong stems with compact flower spikes, with flowers closely set.....	2.00
<b>Mary Ellen (Yoder).</b> Hybrid. A light rose pink, blooming freely and evenly in winter. It is characterized by a stiff stem with very little side growth and a long head with medium sized, evenly spaced florets... ½ Trade pkt., \$1.50	2.50
<b>Maryland Pink Improved.</b> (Winkler) Hybrid. The improved strain of this popular pastel pink hybrid is early and free flowering with a stronger stem and larger spike..... ½ Trade pkt., \$1.75	3.00
<b>Maxine (Smith).</b> Hybrid. In color this resembles Dorcas Jane with a bit more yellow in the lip. Has fine strong stem; no grassy growth; comes back quickly for a second crop..	3.00
<b>Peggy Schumann Pink.</b> A large close-flowering spike on a strong, sturdy stem; will not shatter and produces no blind shoots.....	2.00
<b>Rose Queen.</b> Dark pink X.....	1.00
<b>St. Louis Pink (Rowe).</b> Beautiful shade of silvery pink, the well placed flowers being produced on wiry stiff stems.....	1.50
<b>Yoder's Cheviot No. 33.</b> One of the parents of Mary Ellen; is uniform rose-pink, slightly deeper than Mary Ellen but with the same long stems and early flowering habit.....	1.50

## This List Cancels All Previous Offers

**Cash Discounts on Flower Seeds:** On all orders for flower seeds, totaling less than \$25.00, 5%; and over \$25.00, 8% may be deducted if cash is enclosed.



# "SNAPS" For Greenhouse Forcing—Cont'd

## WHITE

Trade pkt.

- Junglewood White** (Junglewood Greenhouses). Dazzling white; deep green foliage; tall, sturdy, whiplike stems; long spikes of closely set florets; a shatterproof quality, which permits an unusual number of flowers to be open before cutting. . . . . 1/2 Trade pkt., \$1.25 2.00
- Koester's White.** It is earlier and a stronger grower than White Wonder and just as pure white and clean a grower and more substantial spike of slightly ruffled flowers. . . . . 1.50
- Lucky Strike Improved.** Popular pure white, grows three to four feet with full spike of flowers. Blooms earlier than the original; does not drop or shatter. . . . . 1.50
- Margaret** (Yoder). The most popular White on the market. A winterblooming ivory white, whiter than Lucky Strike but not as white as White Wonder. The stem is exceptionally stiff and there is almost no sidegrowth. The florets are of medium size; last a long time and do not shed. . . . . 2.00
- Maryland White** (Winkler) Hybrid. Large paper white florets on strong stem. Early, free flowering. . . . . 1/2 Trade pkt., \$1.75 3.00
- Schlegel's White.** Early and vigorous grower for early and late planting. . . . . 1.50
- Schumann's White.** A close flowering pure white on a strong sturdy stem. Longer stem, larger head and larger individual florets than White Peggy, over which it is an improvement. No excess foliage and will not shatter. Will produce a good crop from early sowing. An excellent companion to Peggy Schumann Pink. . . . . 1/2 Trade pkt., \$1.50 3.00
- Snowdrift** (Double). A fine novelty with spike of purest white. Comes 90% true double from seed. Sow to follow "Mums". . . . . 1/2 Trade pkt., \$1.75 3.00
- Tommy Armstrong.** A pure white at its best in February. Good stems, florets closely set and will not shatter. July sowing for January-February crop; November-December sowing for Easter and Mother's Day. . . . . 3.00
- Westover's Fringed Early White** (Windmill). An early development of Westover's Fringed White. An ideal wedding bouquet white. . . . . 1.50
- White Wonder Improved.** Longer and better stems with flowers well placed—keeping the pure white color of original. . . . . 1.50

## LAVENDER

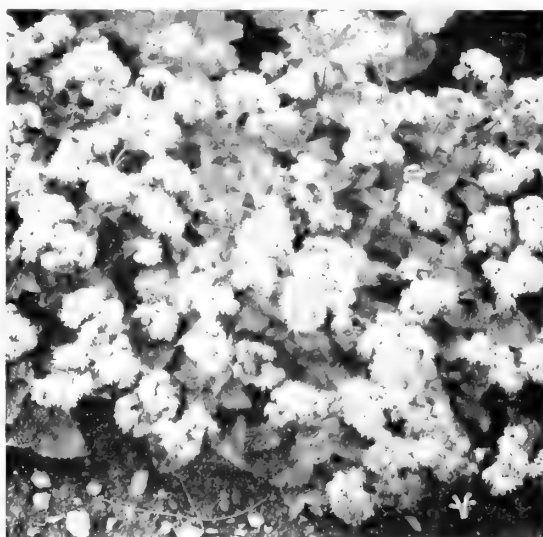
- Ball's Lavender.** A rich lilac lavender, fine spike and long stemmed. . . . . 1.50
- Schumann's Lavender.** Excellent, large flowered rosy lavender for spring blooming. Full heavy spikes. . . . . 2.00
- Windmill's Lilac.** Excellent orchid, true to type and color, hard wiry stems, small foliage, productive. . . . . 2.00
- Witterstaetter's Orchid.** A large well spaced spike, with a rich, even orchid color; can be pinched low. . . . . 2.50

## RED

- Red Lips.** Wine-red with gold lip and white tube. . . . . 2.00
- Schumann's Velvet Red.** A true dark red velvet. . . . . 1/2 Trade pkt., \$1.75 3.00
- Shisler's Red.** Glowing wine-red, 100% true to color, uniform growth with an excellent wiry stem free of grass. . . . . 2.00
- Witterstaetter's Red.** Large florets of rich velvety red on well spaced spikes. Should be planted after "Mums". . . . . 2.50
- Red Hybrid No. 7.** (Ball) Rich scarlet-crimson. Mid-July sowing will flower for Christmas in Chicago Area. . . . . 1/2 Trade pkt., \$1.75 3.00

## BRONZE SHADES

- Afterglow.** Golden bronze, Spring flowering X . . . . . 1.00
- Glorious** (Frank). A highly attractive reddish copper with yellow lip. Popular in Chicago retail trade. . . . . 1.50
- Lady Dorothy.** Red-bronze with a glowing quality under artificial light. The color is somewhat similar to Glorious, but it is a true winter-flowering variety. . . . . 3.00
- Schlegel's Early Bronze.** Bright copper hood with lower part shading from deep gold to apricot. Well spaced florets on stiff stem, averaging 3 ft. in height. An early July sowing will come into bloom for Christmas. . . . . 2.00
- Talisman** (Windmill). Double, all bronze, true to type and color, early and continuous, a fancy flower for retail trade. Excellent for combination. . . . . 2.00
- Witterstaetter's Bronze.** Well spaced spike, with a bright clear gold color. Can be pinched low. Should be planted after "Mums". . . . . 2.50
- Greenhouse Varieties** Vaughan's Special Mixture. With pinks predominating. . . . . 1.00



AGERATUM Midget Blue

For outdoor sowing in Southern States NOT for Greenhouse forcing.

## ANTIRRHINUM

**Vaughan's Special Rust Resistant, Majus Grandiflorum Mixed.** Tall large flowering with an amazing color range. Trade pkt., 25c; 1/4 oz., 70c; oz., \$2.40.

## MAXIMUM OR SUPER GIANTS—2 3/4 ft.

Individual flowers are large, with heavy flower spikes. Especially recommended for outdoor cutting and flat sales.

- |   |  |
|---|--|
| <b>Alaska.</b> White.                       | <b>Indian Summer.</b> Coppery rose scarlet.        |
| <b>Appleblossom.</b> Rose pink, white tube. | <b>Loveliness.</b> Pure soft rose-pink.            |
| <b>Campfire.</b> Pure luminous scarlet.     | <b>Pink Sensation.</b> Pure pink, frilled flowers. |
| <b>Canary Yellow.</b>                       | <b>Red Cross.</b> Glowing velvet crimson.          |
| <b>Copper Queen.</b> Burnished copper.      | <b>Salmon Rose Shades.</b>                         |
| <b>Crimson.</b> Fiery crimson.              | <b>Swing Time.</b> Rose-pink.                      |
| <b>Golden Glory.</b> Deepest yellow.        |  |

Each of the above. . . . 1/8 oz., 45c; 1/4 oz., 80c \$0.25 \$2.80

**Vaughan's Maximum Mixture.** Contains all of the above in finely proportioned blend. . . . .

. . . . . 1/8 oz., 45c; 1/4 oz., 80c .25 2.80

## Ageratum

Sow seed early to have good sized plants for spring. Trade pkt. Oz. Plants from seed will vary some in habit.

**Mexicanum Blue Ball Improved.** 4-5 in. . . . . 1/4 oz., 90c \$0.35 \$3.20

**Blue Bedder.** 4 in. Uniform compact plants bearing clusters of lavender-blue flowers. The color is deeper than that of Blue Ball. . . . . 1/8 oz., 85c; 1/4 oz., \$1.50 .35 5.00

**Blue Cap.** 4 in. Dwarf compact habit. True blue flowers. Very uniform. . . . . 1/4 oz., 90c .35 3.20

**Midget Blue.** A delightful little plant being uniformly dwarf and true to color from seed. The delicate fine foliage is practically smothered with small true Ageratum blue flowers. . . . . 1/8 oz., 85c; 1/4 oz., \$1.60 .35 5.50

**Blue Perfection.** True blue. 6 in. . . . . 1/4 oz., 40c .20 1.40

**Fairy Pink.** Dwarf and compact habit, flowers delightful soft salmon-rose. . . . . 1/8 oz., 90c; 1/4 oz., \$1.60 .50 5.50

**King of the Blues.** Dwarf, small foliage clusters, deepest blue flowers. . . . . 1/4 oz., 90c .35 3.20

**Purple Perfection.** Rich and deep blue. 1/4 oz., 40c .20 1.40

**Tall Blue,** for cutting. 2 ft. . . . . 1/4 oz., 50c .25 1.50



BEGONIA, Type of Pink Pearl and Red Pearl

## Alyssum

- Vaughan's Little Gem.** Although one of the older standard varieties, we believe our strain surpasses all others for uniformity of height and form. It makes a neat, compact edging plant. 6 in. Trade pkt. Oz.
- ..... 1/4 oz., 30c; 4 oz., \$3.50 \$0.15 \$1.00
- Violet Queen.** A very pretty bright violet tint. It has the usual honey-like odor of the white variety. ....
- ..... 1/4 oz., 40c .15 1.20

## Asparagus

- Plumosus Nanus.** Carefully harvested, hand-picked, plump, well-matured seed of this is a specialty with us. 100 seeds, 30c; 250 seeds, 65c; 1,000 seeds, \$2.00; 5000 seeds, \$9.00; 10,000 seeds, \$17.00.
- Sprengeri.** 100 seeds, 30c; 250 seeds, 65c; 1,000 seeds, \$2.00; 5,000 seeds, \$9.00; 10,000 seeds, \$17.00.

## Begonias—Fibrous-Rooted

We have divided this family into three sections: the dwarf growing 6 to 8 in.; those of medium height 9 to 11 in.; the taller ones 12 in. and over.

### DWARF, 6 to 8 INCHES

**Snowbank.** The best dwarf white Begonia, large flowered pure white; very free flowering. Plants are compact and uniform. Foliage a bright, clear green. ....

..... 1/64 oz., \$2.50; 1/32 oz., \$4.50; Trade pkt., \$1.00.

- Pink Pearl.** Of dwarf, compact habit—6 to 8 inches high, this Begonia is one of the very best for pot culture. The plants form perfect balls and the flowers are well above the fresh green foliage. We recommend it. .... 2,000 seeds \$1.50
- Red Pearl.** Same as above in type, and blooming habit. Color, brilliant dark scarlet. .... 2,000 seeds 1.50
- Adeline (Improved Darling).** Very dwarfest habit; bright pink flowers and green foliage, very attractive. ....
- ..... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.00
- Ball Deep Rose.** Identical in habit to Adeline from which it was selected. Under winter and spring conditions the color is a deep rich rosy red which gradually fades to a bright luminous pink with the coming of warmer weather. .... 1.50
- Ball Red.** Fairly dwarf in growth and of uniform, perfectly rounded habit. The plants are literally covered with medium large flowers of the brightest scarlet red imaginable. Much more brilliant and intense than King of the Reds or Luminosa. ....
- ..... 1/64 oz., \$2.75; 1/32 oz., \$5.00 1.50
- Ball White.** A good white for pot-plant use. ....
- ..... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.50
- Bois de Vaux Rose.** Vivid rose, floriferous pyramidal growth, green metallic foliage, decorated with narrow red border, compact, upright. ....
- ..... 1/64 oz., \$2.25; 1/32 oz., \$4.00 1.00

### BEGONIAS—Continued

Trade pkt.

- Doty's Calla Queen.** Flowers a bright red, resembling King of the Reds in color and size, some of them measuring 1 1/2 inches across the long way, with stamens nearly white. Flowers profusely and when properly pinched requires no support. An excellent pot plant. .... 1/2 Trade pkt., \$1.75 \$3.00
- Dwarf Luminosa.** Bright scarlet, free flowering. Excellent pot plant. .... 1/64 oz., \$3.00; 1/32 oz., \$5.50 1.00
- Fire Sea. (Blaze of Fire).** Fiery red flowers, green foliage. ....
- ..... 1/64 oz., \$2.25; 1/32 oz., \$4.00 1.00
- King of the Reds.** Very dwarf, glowing scarlet, foliage, green edged bronze. ....
- ..... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.00
- Tausendschon.** Flowers lustrous rose, absolutely even in growth and color. Plants are one mass of bloom. .... 1.25
- Winter Romance.** Carmine rose, green foliage. ....
- ..... 1/64 oz., \$2.25; 1/32 oz., \$4.00 1.00
- Vaughan's Special Mixture of Dwarf Varieties for pots and bedding.** ....
- ..... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.00

### MEDIUM, 9 to 11 INCHES

Trade pkt.

- Carmen.** Bright rose flowers, bronze foliage. .... 1/64 oz., \$2.50 \$1.00
- Enchantress.** Fresh rose color. .... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.00
- Indian Maid.** Bright deep scarlet buds and flowers with deep lustrous bronze foliage. ....
- ..... 1/64 oz., \$2.50; 1/32 oz., \$4.50 1.00
- Luminosa.** Deep dark scarlet flowers, foliage reddish brown. ....
- ..... 1/64 oz., \$3.00; 1/32 oz., \$5.50 1.00
- Prima Donna.** Limpid rose, shading to carmine, most beautiful. ....
- ..... 1/64 oz., \$2.00; 1/32 oz., \$3.50 1.00
- Salmon.** Glowing shade of salmon. .... 1/64 oz., \$1.00 .50
- Scandinavia Pink.** An outstanding large-flowered pink variety for pots. Plants are of good branching habit with dark green foliage. Excellent for winter flowering. ....
- ..... 1/64 oz., \$2.75; 1/32 oz., \$5.00 1.00
- Scandinavia Red.** Like above except in color. ....
- ..... 1/64 oz., \$2.75; 1/32 oz., \$5.00 1.00
- White Pearl.** White. ....
- ..... 1/64 oz., \$2.50 1.00

### TALL, 12 INCHES AND UP

Trade pkt.

- Christmas Cheer Red.** A very large-flowered variety, color dark crimson-scarlet. .... 1/64 oz., \$2.00; 1/32 oz., \$3.50 \$1.00
- Homeran White.** Large oval shaped green leaves. Flowers are pure white with the usual yellow center. .... 1.00
- Ile de France.** The best white. The foliage is light green. The flowers are 1 1/4 in. to 1 1/2 in., pure white, with bright yellow stamens. They grow in compact form not to exceed 12 in. in height and approximately the same width. Fine for Easter and Mother's Day. ....
- ..... 1/64 oz., \$2.00 1.00
- Illusion.** A masterpiece among the Begonias. Flowers attractive rose with a white blotch on every petal. Early flowering. Does well in sun or shade. Foliage is true Begonia green. ....
- ..... 1/64 oz., \$2.50 1.00
- Masterpiece.** One of the largest flowered fibrous rooted Begonias, and the clear rose-pink blossoms have made it a great favorite. The flowers fairly cover the foliage. ....
- ..... 1/64 oz., \$2.25; 1/32 oz., \$4.00 1.00
- Vernon.** Flowers blood red, dark leaves. .... 1/64 oz., \$1.00 .50
- Vaughan's Special Mixture all Varieties.** ....
- ..... 1/64 oz., \$1.50; 1/32 oz., \$2.50 1.00

### BEGONIA VARIETIES

- Evansiana.** Pure pink flowers carried well above the leaves. Green foliage, red-netted below. Semi-hardy, it is an excellent pot plant, too. .... .75
- Rex Hybrids.** An outstanding mixture producing a wide range of ornamental leaved Rex Type. .... 2.00

### BEGONIA

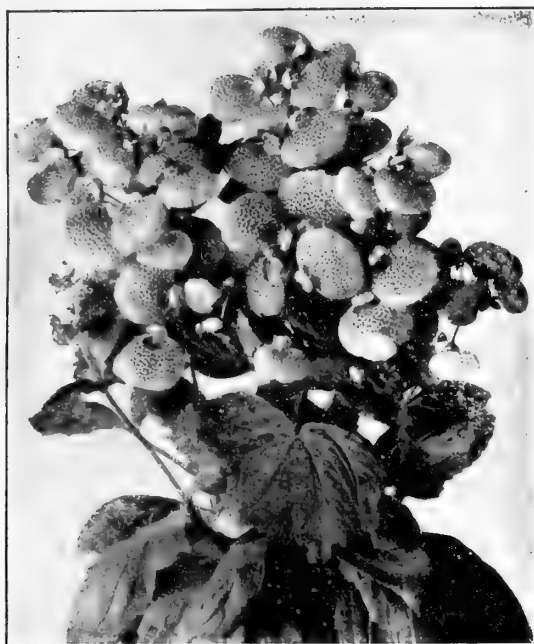
#### Double Tuberous Rooted—Camellia Flowered Type

The largest and most popular of the double types; individual flowers from 5 to 8 inches in diameter, resembling camellias in all forms and variations of color. Cultural leaflet supplied with seed.

Apricot	Dark Red	Flame	Orange
Picotee	Pink	Rose	Salmon
Scarlet	White	Yellow	Mixed
Each of the above..... Trade pkt., \$2.50			

#### Double Tuberous Rooted Vaughan's Special Mixture.

This cream of a specialist's collection contains the lovely camellia and rose flowered forms together with the double fringed types in charming colors from dainty light shades to the richer and darker tones. Leaflet on culture supplied with seed. .... Trade pkt., \$2.50



## Calceolaria Hybrid

These Make Wonderful Plants for Easter or Mother's Day

For Calceolarias, use a mixture of loam, leafmold and sharp sand. This mixture is suitable both for the seed pans and the pots into which the seedlings, when ready, should be planted. Perfect drainage is important. Calceolaria seed being very fine the seeding should be done with great care and it is suggested that one use a sheet of white paper on which a tablespoon of white sand is distributed. Then shake the seed on top of this sand and mix thoroughly. Sprinkle this mixture on the soil of the seed pan, dusting surface with a little fine sand, cover with a sheet of glass and place in the shade. For moisture, immerse the pans in water. As the seedlings come up lift them carefully when quite small and prick them off into a flat allowing two inches square for each plant. It is important that the leaves of one plant should never be allowed to overlap those of another or decay will probably result. When established in pots shift them into the larger size. At the last shift give them some manure water, not too strong, about once a week.

**Hybrida Grandiflora Triumph Strain.** A truly out-Trade pkt. Oz.  
standing strain. Bright shades of yellow, orange, red  
and rose; the flowers are large and mostly tigered or  
spotted. This strain produces bushy, shapely plants  
with clean foliage. 1/4 oz., \$2.75 1.25

**Hybrida Grandiflora Mixed. Extra Choice.** Our  
mixture is composed of the choicest selections of the  
tigered, marbled, spotted and variegated varieties  
1/4 oz., \$2.40; 1/2 oz., \$4.40 1.00

**Hybrida Multiflora Nana Mixed.** The average size  
of the blooms is only 1 1/2 inches, but the amount of  
flowers produced is unsurpassed. The color scheme  
is extraordinarily gay and full of contrast. Pinch  
out center to make well shaped bushy stock. 1/128 oz., \$2.25; 1/64 oz., \$4.00 1.00

**Indian Prince.** A new selection retaining the fine  
dwarf, free-flowering habit. The color is rich dark  
scarlet with an orange suffusion. 1/128 oz., \$2.35 1.00

**Gilbert's Strain Mixed.** A selection of the Multiflora  
Nana type made by a grower in our midwest. Bright  
colors. 1.00

**Gilbert's Red.** Multiflora Nana type. 1.00

**Gilbert's Yellow.** Multiflora Nana type. 1.00

**Grandiflora, "Flower Cloud."** The most free bloom-  
ing Calceolaria, in all colors. Of a very vigorous  
growth and resistant against weather influences.  
Small flowers in shades of yellow, orange and bronze.  
1/128 oz., \$3.50 1.50

**Albert Kent Hybrids.** Flowers of intermediate size  
produced in large graceful clusters in delicate shades 1.00

**Duplex Hybrids Mixed.** Upper pouch of each flower is  
almost as large as the lower giving an attractive dup-  
lexed effect. A good range of color. 1/2 Trade pkt., \$1.25 2.00

**Dwarf Tigered or Spotted.** Various spotted shades  
of red and rosy bronze. 1/4 oz., \$2.50; 1/2 oz., \$4.50 1.00

**BROWALLIA. Speciosa Major Blue.** Large deep blue flowers. Fine for pots. Trade pkt. Oz.  
1/16 oz., \$2.00; 1/8 oz., \$3.75; 1/4 oz., \$7.00 1.00

## Calendula

### FORCING VARIETIES

The improved varieties, while mainly grown in the green house, can also be grown outdoors for cutting

**Sensation, Vaughan's Improved (Campfire).** Long stems; very double, brilliant orange flowers. The blooms are very flat in shape. 1/4 oz., 60c; 2 oz., \$3.50 0.40 2.00

**Apricot.** Light straw or buff color with dark center 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**Gold.** Has the same long stem and extra large, uniformly double flowers that are so well known in Orange Improved 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**Lemon Queen Improved.** Lemon yellow with a dark brown eye. 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**Improved Long Orange.** Attractive bright golden orange with light eye; a clearer lighter color than the regular Long Orange. 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**Orange Improved Light Center.** Rich orange, light center. Petals slightly notched. 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**Masterpiece.** Extra long-stemmed, deep orange, brown center. 1/4 oz., 60c; 2 oz., \$3.50 .40 2.00

**White (Moonlight).** A beautiful soft cream yellow. 1/4 oz., 60c .40 2.00

**Vaughan's Special Mixture for greenhouse forcing** 1/4 oz., 50c .35 1.50

## Cineraria Hybrid

**Vaughan's Columbian Mixture.** Contains the best large flowering types and colors as well as Cremer's, Potsdam, Siter's and Gold Center strains and cannot be excelled in variety of colors, size, shape and substance of flowers and perfect habit of plant. 1/4 oz., \$1.75; 1/2 oz., \$3.00; 1/6 oz., \$5.50; 1000 seeds 1.00

**Grandiflora Choice Mixed.** Seed collected from prize varieties. Flowers very brilliant in an excellent range of color and of good size and substance. 1.00

**Grandiflora Dwarf Mixed.** Excellent strain in a fine range of color. 1 ft. 1/4 oz., \$1.75; 1/2 oz., \$3.25 1.00

**Cremer's Prize Mixture. Re-selected.** Somewhat taller and larger flowered than Multiflora Nana 1/4 oz., \$2.20; 1/2 oz., \$4.00; 1/6 oz., \$7.50 1.50

**Cremer's Improved Prize Strain. Originator's Packet.** 1.50

**Multiflora Nana Mixed, all colors.** 1/4 oz., \$1.60; 1/2 oz., \$3.00 1.00

**Gold Center.** Of the Multiflora Nana type. We were the introducer of this magnificent strain several years ago. It is distinguished by the golden yellow stamens—in the type they are dark. The flowers are produced in great profusion, are of the same size and color range as the Multiflora Nana. The golden yellow stamens make a wonderful contrast with the blues, reds and pinks of the flowers. 1/2 oz., \$3.50; 1/4 oz., \$2.00; 500 seeds, 60c; 1,000 seeds, \$1.00. ....

**Potsdam Strain. Mixed (Berlin Market or Weissensee).** The plants are taller and flowers larger than Cremer's. 1/4 oz., \$1.75; 1/2 oz., \$3.00 1.00

**Cremer's Prize Strain and Siter's Rainbow Strain** in equal proportions. 1/4 oz., \$2.00; 1/2 oz., \$3.75 1.00

**Siter's Rainbow Strain Mixed.** Immense flower heads of medium large flowers ranging from bright eyed types to finer pastel shades. Compact growth with small leaves. Earlier than Cremer's. 1/6 oz., \$8.00; 1/32 oz., \$4.50; 1/64 oz., \$2.50 2.00

**Siter's Hybrids (Originator's Packet).** A new group blended for perfect color combination from bright eye types through the finer pastel shades. Large flower heads with medium large individual flowers. Small Packet (for 500 plants), \$5.00; Large Packet (for 1000 plants), \$10.00. ....

**Star Cineraria (Cineraria Hybrid Polyantha). Felt-ham Beauty.** Fine small flowering variety for cutting and decorative purposes, nearly all have white centers. 2 ft. 1000 seeds .75



Type of Our Cyclamen? Persicum Giganteum

## Candytuft

- Giant Hyacinth-Flowered Pure White Select.** Trade pkt. Oz.  
This is a superior strain; it grows about 1½ feet high, with enormous trusses of blooms. The best strain in existence for florists' use. An October sowing will flower in February. . . . . 4 oz., \$2.60; lb., \$8.00 \$0.20 \$0.80
- Umbellata Lilacina.** Lilac. 12 in. . . . . ¼ lb., 1.60 .15 .50
- Purpurea.** Crimson. 12 in. . . . . ¼ lb., 1.60 .15 .50
- Rose Cardinal.** Rose-pink. 12 in. . . . . ¼ lb., 1.60 .15 .50

## Centaurea Cyanus

### SUPER GIANT Cornflower

The flowers of these strains are large, fully double and colors intensified. Long stems for cutting.

May also be sown out of doors just before freezing for early spring blooming.

**Black Boy.** Blackish maroon.

**Blue Boy.** Rich deep blue, very large flowers.

**Pinkie.** Deep pink. **Red Boy.** Ruby red. **Snowman.** Best white.

**Vaughan's Mixture of Super Giant New Varieties Mixed.**

Each of above, Trade pkt., 15c; oz., 45c; 4 oz., \$1.45; lb., \$4.50.

## Chinese Forget-Me-Not

- Cynoglossum Amabile, Blue Bird.** A lovely plant Trade pkt. Oz.  
18 to 24 inches tall, with bright blue flowers. Makes wonderful cut flower material. . . . . ¼ oz., 30c \$0.15 \$1.00

## Coleus

- Glory.** A mixture of bronze, pink, apricot shades, cream, etc. A remarkably fine strain; it is unequalled for the beautiful form and coloring of its large leaves. Make splendid pot plants. Sow seed January 1 for Memorial Day plants. ¼ oz., \$7.00; ⅓ oz., \$4.00; ⅓ oz., \$2.50; ½ oz., \$1.50. . . . . .60 . . . .
- Colosse de Pyrenees.** Large leaves, dwarf plants in various colors. . . . . 1.00 . . . .
- Vaughan's Rainbow Mixture.** Plants of strong vigorous habit; brilliant richly colored medium to large leaves. . . . . ⅓ oz., \$3.25; ½ oz., \$1.80 .75 . . . .

## Clarkia Elegans Fl. Pl.—2 ft.

This is now much planted for cutting, both in and outdoors. If grown indoors, plants must be starved. Grow on in flats or shallow raised bench.

**Albatross.** Pure white.

**May Blossom.** Pure rose.

**Purple Prince.** Rich purple.

Each of above, Trade pkt., 15c; ¼ oz., 30c; oz., \$1.00.

**Salmonea Perfecta.** True

salmon, extra double.

**Scarlet Queen.** Glowing scarlet.

**Vaughan's Special Mixture.**

## Cyclamen—Persicum Giganteum

Our Cyclamen seed has been grown by experienced American and European growers who have specialized in this item for years.

	100 Seeds	1000 Seeds
<b>Baardse's Wonder.</b> Salmon with white border. . . . .	\$2.25	\$20.00
<b>Bonfire.</b> Brilliant salmon. . . . .	2.25	20.00
<b>Bright Red.</b> . . . . .	1.75	16.00
<b>Dark Blood Red.</b> . . . . .	1.75	16.00
<b>Lavender.</b> . . . . .	1.75	16.00
<b>New Ruffled, Mixed.</b> . . . . .	2.30	21.00
<b>Mozart.</b> Deep pink. . . . .	1.75	16.00
<b>Orange Beauty.</b> Orange vermillion. . . . .	2.30	21.00
<b>Pink Pearl.</b> Salmon pink. . . . .	2.30	22.00
<b>Pure Rose.</b> . . . . .	1.75	16.00
<b>Pure White.</b> . . . . .	1.75	16.00
<b>Saffron Red Silver Edge.</b> . . . . .	2.50	22.00
<b>Salmonium Oculatum.</b> Salmon with eye. . . . .	2.20	18.00
<b>Salmon Scarlet</b> (America Improved). . . . .	2.30	20.00
<b>Salmon-Rose Improved.</b> . . . . .	2.25	20.00
<b>Salmon Dark</b> (Glory of Wandsbek or Pearl of Zehlendorf). . . . .	2.20	18.00
<b>Salmon Light</b> (Rose of Zehlendorf). . . . .	2.20	18.00
<b>Soft Rose with Carmine Eye</b> (Improved Rosa von Marienthal). . . . .	1.75	16.00
<b>Victoria Improved.</b> (New). The bloom is fringed with a bright salmon eye and balance of petals in a lighter salmon shade getting still lighter near the fringed edge and the fringed edge is always a bright salmon. . . . .	2.20	18.00
<b>White Fringed.</b> . . . . .	2.20	18.00
<b>White with Carmine Eye.</b> . . . . .	1.75	16.00
<b>Vaughan's Florist Mixture.</b> . . . . .	1.75	15.00

### VOGT'S DOUBLE CYCLAMEN

This strain comes about 80% true from seed.

**Admiration.** A beautiful salmon-rose with shaded eye.

**Coral Pink** with Mulberry Eye.

**Orchid Pink.**

**Prosperity.** An azalea type, flaming rose color.

**Rosea.** A soft rose with a coral cast, shading lighter at petal tips.

**Double Mixed.**

Each of the above, 100 seeds, \$3.50; 250 seeds, \$7.00; 500 seeds, \$13.00.

## Didiscus Coeruleus

### Vaughan's Improved Wilt-Resistant Blue Lace Flower

An improved variety with flowers of a deeper blue and half again as large as the original type. Strong heavy stems, many measuring 18 inches from first joint, with well shaped flowers measuring 2½ to 3½ inches in diameter. Plant in pots to follow "mums" or sow direct in beds, thinning to about 6 in. in rows a foot apart, does not transplant well. Not over Carnation temperature needed.

Trade pkt., 50c; ⅓ oz., \$1.00; ¼ oz., \$1.75; oz., \$6.00.

**DRACAENA Indivisa.** Ornamental plants with long narrow gracefully arching green leaves. Trade pkt., 15c; ¼ lb., \$1.50; oz., 50c; lb., \$5.00.

## Dusty Millers

	Tr. pkt.	Oz.
<b>Centaurea Candidissima.</b> White leaved for bedding. Start early, slow grower. 6 in. ¼ oz. \$1.00 \$0.50 \$3.50		
<b>Gymnocarpa.</b> Fine cut leaved variety with silvery foliage. 24 in. . . . . lb., \$6.00 .15 .60		
<b>Cineraria Maritima Diamond.</b> Leaves pure white. . . . . ¼ oz., 25c .15 .90		
<b>Maritima Candidissima.</b> Silvery leaves, excellent for bedding and borders. . . . . ¼ oz., 25c .15 .90		

### Suggestions For Sowing Seeds During the Summer Months

During the hot months of July and August fine seeds such as Calceolaria, Cineraria, Snapdragon, and finer perennial seeds, etc. should be sown in flats (as usual) and the flats placed in a cool basement until the seedlings sprout, then taken to greenhouse and some cheese cloth placed over them until the seedlings are of sufficient strength to have it removed.



DELPHINIUM PACIFIC GIANT HYBRIDS

## Delphinium

### PACIFIC GIANT (Vetterle and Reinelt)

This strain produces plants that are 60 to 65 per cent mildew resistant. The flowers are of immense size, tightly set on straight stems that are strong and whippy. The flowers **do not shatter** and represent a truly outstanding addition to the cut flower market.

**Black Knight Series.** Deep mid-night violet. The darkest of them all. Flowers of beautiful round form, with heavy velvety texture.

**Blue Bird.** Clear medium blue with white bee, huge tall spikes

**Blue Jay.** Brilliant true medium blue with dark bee.

**Cameliard Series.** This is a pure lavender self, with white bee.

**Galahad Series.** Clear white of enormous size, averaging three inches in diameter of individual flowers with glistening texture.

**Guinevere.** Light pink lavender self with white bee.

**King Arthur.** Brilliant royal violet with large white bee.

**Percival.** White with contrasting black bee.

**Round Table Series.** As the name implies, this represents all of the color combinations of the above Knights and their Ladies.

**Summer Skies.** Clearest light blue with white bee.

Each of the above, Trade pkt., \$1.25; 1/8 oz., \$2.50; 1/4 oz., \$4.00; oz., \$14.00.

### ASTOLAT SERIES DELPHINIUM

The long-awaited pink Delphinium. An important new break in color which the introducer describes as a mixture of novel shades ranging from pale blush through pink, rose and lilac, with dark bees. Size and quality compare favorably with other Pacific Giant Hybrids. Oz., \$18.00; 1/4 oz., \$5.00; 1/8 oz., \$3.00; 1/2 trade pkt., \$1.00; trade pkt., \$1.75.

**EXACUM Affine** Beautiful green-house pot plant, Trade pkt. Oz.  
producing sweet scented bright mauve flowers.  
Flowering within 6 months from sowing. Height  
9 inches. .... 1/128 oz., \$3.00; 1/4 oz., \$5.50 \$1.00 ....

## New Fuchsia Hybrids

**Superb Mixture.** An outstanding mixture produced by crosses between named varieties, doubles and singles. Will produce new hybrid varieties as well as parent types. 250 seeds \$3.00; 500 seeds, \$5.00; 1000 seeds, \$9.00.

## Gloxinia Hybrida

Trade pkt.

**Vaughan's Columbian Mixture.** This is made up by ourselves from the choicest spotted, tigered, edged, marbled and splashed sorts of the upright and horizontal type, and we know that better seed is not to be had at any rate. .... \$1.25

**Beacon.** Flowers rich dark red, flexible leaves. .... 1.25

**Crimson Glow.** Glowing scarlet, very free blooming. .... 1.25

**Emperor Frederick.** Dark scarlet, white margin. .... 1.25

**Emperor William.** Dark violet, white margin. .... 1.25

**Frederick Benary.** Brilliant scarlet, white throat. Most effective. .... 1.25

**Gierth's White.** (New). Large flowers of pure white on sturdy stem. .... 1.25

**Merveille (New).** Brilliant red. .... 1.25

**Rose Sensation.** (New). Brilliant carmine rose, ivory throat. .... 1.25

**Swiss Emblem.** (Hybrid Gigantea). Brilliant scarlet red with white margin. .... 1.50

**Spotted and Stained Choice Mixture.** .... 1.25

**Victory Giant Ruby Red.** An outstanding variety with velvety rich red flowers. Plants are very vigorous with many side growths; a well grown plant, producing 50 or more flowers. Sow seed in January for blooming plants in 4-inch pots during June and July. .... 6 trade pkts. \$5.00. 1.00

**French Hybrids.** A mixture of the finest varieties. .... 1.25

**Gigantea Mixed.** Superb class of giant size and rich colors. .... 1.25

**GYPSOPHILA.** Elegans Grandiflora Alba, Tr. pkt. Oz.  
**London Market.** Special Florist strain. ....  
..... 1/4 lb., 75c; lb., \$2.25 .... \$0.25

## Impatiens

The Impatiens will make splendid pot plants for Christmas and are useful for bedding and porch boxes, northern exposure in summer.

**Sultani Hybrida Nana "Beauty of Klettgau".** The flowers are fire-scarlet red, bloom abundantly and are larger than other sorts, reaching a diameter of 2 in. Needs to be pinched but once. Characterized by its extremely broad but still low growth. (200 seeds) \$0.75 ....

**Sultani Hybrida Nana Dwarf Mixed.** Especially fine for pots, 6 in. Flowers continuously. .... 50 ....

**Sultani Nana Carmine.** Flowers of bright carmine. Free flowering, compact. .... 50 ....

..... 1/32 oz., \$1.80; 1,000 seeds, 90c; 500 seeds

**Sultani Bright rose** 1 1/2 ft., 1/16 oz., \$1.00; 1/8 oz., \$1.75 50 ....

**Sultani Hybrids.** Various shades of red to rose and violet mixed. .... 1/16 oz., \$1.00; 1/8 oz., \$1.75 50 ....

**Holstii.** Bright vermillion. Beautiful for summer bedding. 1/2 ft. .... 1/16 oz., \$1.00; 1/8 oz., \$1.75 50 ....

**Holstii New Hybrids.** Extra choice. Charming mixture of many colors. .... 1/16 oz., \$1.00; 1/8 oz., \$1.75 50 ....



GLOXINIA HYBRIDA





LARKSPUR SUPREME

## Annual Larkspur

To get satisfactory germination from Larkspurs in the hot weather, it is necessary to chill the seeds in an ice box for several days before sowing. May be sown outside late in Fall just before ground freezes up.

### NEW LARKSPURS TAKE THE LEAD

**Supreme.** An entirely new strain of Giant Imperial or base branching Larkspur, in colors greatly improved over others. Plants have an ideal upright habit, with spikes on which large fully double flowers with broad petals are closely spaced.

**Dark Blue Supreme.** A fine rich violet purple, clearer and brighter than offered before. Outstanding improvement in the length of flower spike. Fully double flowers, closely set on stems which grow 5 ft. or more.

**Lilac Supreme.** A pleasing clear lilac.

**Pink Supreme.** A most desirable florist color. A clear rose pink, deeper in color than the well-known Los Angeles Improved. Tall growing plant with exceptionally long heavy main spike closely packed with fully double flowers with very wide petals. Under artificial light this color comes to life.

**Rose Supreme.** Clearer and deeper rose than the popular Stock Flowered Rosamond.

**Salmon Supreme.** True salmon, much stronger than other salmon pinks.

**White Supreme.** A true white, without a trace of pink.

Each of the above, Trade pkt., 35c; ½ oz., \$1.00; oz., \$1.80; ¼ lb., \$6.00; lb., \$18.00.

**Supreme Mixed.** A formula-blend of the above colors to which has been added sorts not yet introduced.

Trade pkt., 35c; ½ oz., \$1.00; oz., \$1.80; ¼ lb., \$6.00; lb., \$18.00.

**Regal Rose.** This new strain retains the compact basal branching habit of the Giant Imperials but has a tremendously long spike of well-spaced florets. Plants are extremely vigorous and quite early. A rich Florist's rose color. Trade pkt., 35c; ½ oz., \$1.00; oz., \$1.80; ¼ lb., \$6.00; lb., \$18.00.

### SUPER MAJESTIC—5 Ft.

Long tapering laterals branch from base of each plant and grow close to main stem, vigorous growth and abundance of flowers.

Deep Salmon Pink. Lavender. Rose Pink. White. Super Majestic Mixed.

Each of the above, Trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., \$1.10; ¼ lb., \$3.60; lb., \$11.00.

### GIANT DOUBLE IMPERIAL—4 ft.

#### Base Branching Type

This type is the most desirable for outdoor growing. An annual Larkspur of upright growth, branching from the base of plant, producing more and longer flower stems for cutting.

**Blue Bell.** Fine medium blue.

**Blue Spire.** Dark blue.

**Brilliant Rose.**

**Dazzler.** Rich scarlet.

**Deep Carmine King Improved.** Very distinct improvement over Carmine King; holds its color under trying conditions.

**Exquisite Pink Improved.** Soft pink shaded salmon.

**Gloria Improved.** Rich deep rose-salmon.

**Lilac Spire.** Beautiful lilac color.

**Los Angeles Improved.** Salmony scarlet.

**Miss California.** Deep pink on salmon.

**Pink Perfection.** Lively light pink, large double florets.

**Rosalind.** Salmon-rose, non-shattering.

**Sweet Lavender.** Light lavender blue.

**White King.** Glistening pure white.

Each of the above, Trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., \$1.10; ¼ lb., \$3.60; lb., \$11.00.

**Giant Imperial Vaughan's Special Mixed.** All colors. Trade pkt., 25c; ¼ oz., 40c; ½ oz., 65c; oz., \$1.10; ¼ lb., \$3.60; lb., \$11.00.

## Kalanchoes

Winter flowering. Excellent for pot culture and cutting.

**Alfred Graesser.** A strong hybrid with very free-flowering habit. Rich scarlet-red. Trade pkt. Oz. \$1.75

**Brilliant Star.** Makes a fine pot plant producing flowers 3 times the size of the common varieties and of a brighter fiery red color. The attractive foliage is restricted to the base of the plant, permitting the development of clean stems about 5 inches long which are suitable for cutting, especially if benched. 1/128 oz., \$3.00; ¼ oz., \$6.50; 800 seeds 1.50

**Ernst Thiede.** A sport from Kalanchoe Blossfeldiana Selecta. Very dwarf, compact growth. Free-flowering, glowing red. 1.25

**"Flame".** The vivid fiery red color of this Kalanchoe is unsurpassed. The flower heads are borne on wiry stems with up to 200 individual flowers. 500 seeds 1.00

**Tom Thumb.** A dwarf variation of the popular K. Blossfeldiana, with the same color. The general habit is more dwarf and the very short-flowering stems form just beyond the foliage and the flowers actually envelop the entire plant. ¼ oz., \$5.00; ½ oz., \$9.00; 1000 seeds 1.25

**Yellow Darling.** (New). Similar in habit to Type Thiede, growing 5 to 7 inches high. Flowers are a strong lemon-yellow of outstanding brightness. The color, together with the shining green leaves, make it a perfect plant for flower arrangements in combination with the dwarf red Kalanchoes, Primula Malacoides or Saintpaulia. 500 seeds 1.25

**Globulifera** Var. Coccinea (Blossfeldiana). 12 inches. Bright scarlet flowers. Very choice pot plant. 3000 seeds, \$1.10; 1500 seeds. .60

## Lilies

Seeds sown in October or November should be transplanted into 2½ inch pots or bands 3 or 4 months after sowing. Carry along until August when they should be planted in the bench 6x8 inches apart or grown in 4 or 5 inch pot. These will grow into plants carrying 2 or 3 flowers the following Spring.

If only buds are cut at this time, letting the foliage dry down by gradually withholding water, and then placing bulbs in cold storage at 32 to 40 degrees and then potting; the next Spring a much higher bud count can be expected.

**Longiflorum Praecox** (White Queen). Produces blooms of the well known Erabu type in from 12 to 15 months after sowing. Long trumpet flowers of clear white. ½ trade pkts., 60c \$1.00



## Lobelia

<b>Erinus Crystal Palace Compacta</b> 4 in. Deep blue, dark foliage.....	1/4 oz., 85c	\$0.25	\$3.00
<b>Compacta Blue Gown.</b> Clear deep blue, without eye, fine compact habit.....	1/4 oz., 85c	.25	3.00
<b>Blue Stone Reselected.</b> Compact habit, large flowers, brilliant mid-blue.....	1/4 oz., 85c	.25	3.00
<b>Cambridge Blue.</b> Light blue with green foliage.....	1/4 oz., 85c	.25	3.00
<b>Emperor William.</b> Gentian-blue, light foliage. 4 in.....	1/4 oz., 85c	.25	3.00
<b>Mrs. Clibran.</b> Deep blue, white eye, light foliage.....	1/4 oz., 85c	.25	3.00
<b>Pumila Splendens, Bedding Queen.</b> Dark navy blue with clear white eye.....	1/4 oz., 85c	.25	3.00
<b>Snowball.</b> Pure white. 4 in.....	1/4 oz., 85c	.25	3.00
<b>Pendula.</b> (for hanging baskets).....			
<b>Hamburgia.</b> Sky-blue, white eye, dark foliage.....	1/4 oz., \$1.00	.35	
<b>Sapphire.</b> Large deep navy-blue with white eye.....	1/4 oz., \$1.00	.35	

## Lupinus

Free-flowering, easily grown annuals, with long, graceful spikes of rich and various colored pea-shaped flowers; valuable for cutting to follow "mums" or sweet peas as a "catch crop." Sow 3 or 4 seeds in a 3 or 4 in. pot. Keep in cold frame until late October or November. Transplant into a ground bed and grow slowly in cool temperature. Space 10x12 inches, water well after transplanting and then keep on dry side until plants are established.

**Hartwegii Giants or King Lupinus.** This improved giant strain is over a foot taller than the ordinary strain, reaching a height of 3 or 4 feet. There are five or six long basal branched spikes to each plant, bearing closely placed giant blooms.

<b>King Dark Blue</b>	<b>King Sky Blue</b>	<b>King White</b>
<b>King Heliotrope</b>	<b>King Mixed</b>	Trade pkt. Oz.
<b>Each of the above.....</b>		lb., \$8.00 \$0.20 \$0.85

## Marigold

For best results, seed should be sown from July up to December. Plant in any house that can be kept free from frost. No insect pests.

### Tall African Double Fistulosa, 3 Ft.

An especially fine tall branching strain, bearing enormous flowers of the quilled type.

**All Double Orange.** Large perfectly formed flower heads of the quilled type coming almost 100% full-double. In our opinion, the finest long-stemmed cutflower strain. Preferred to Prince of Orange. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.60; 1/4 lb., \$5.00.

**All Double Lemon.** Identical to the above, except for the color which is a rich lemon-yellow. We prefer this to Lemon Queen. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.60; 1/4 lb., \$5.00.

**Orange Supreme.** Flowers are very large, 4 to 5 in. across perfectly double, with attractive peony-like appearance. Intense orange flowers, on long, stiff stems. Most desirable for cutting. 2 1/2 to 3 ft. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.60.

**Yellow Supreme.** Rich creamy, broad loose-leaved petals of honey fragrance. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.60.

**Guinea Gold.** Semi-double type with long loose petals. Brilliant shade of orange flushed with gold. 2 1/2 ft. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.60.

**Lieb's Winter Flowering.** Mahogany brown with golden yellow crested center. For a fine winter cutflower, especially in a retail growers establishment. Seeds can be sown from August to December. Space plants ten inches apart in bench in not too rich soil in Carnation house temperature. Trade pkt., 25c; 1/4 oz., 60c; oz., \$2.00.

**Winter Harmony.** It is of quilled scabious type. A single row of reddish brown guard petals encircling a golden orange quilled center, with mahogany brown dots on tip of each quilled petal. Flowers 2 1/2 inches in diameter. Trade pkt., 25c; 1/4 oz., 50c; oz., \$1.65.

**Double Dwarf French.** An early Fall planting, grown warm, will provide plants for early combination work.

**Butterball.** Rich canary yellow. 6 to 10 in., uni-Trade pkt. Oz. form, compact plants, very free flowering.....

**Extra Dwarf Harmony.** 6 in. Same color as Spry but dwafwer in habit.....

**Spry.** Very light orange crested center and maroon outer petals. 9 in.....

**Sunkist.** Attractive orange colored flowers, 1 1/2 inches across, plant uniformly dwarf.....

Trade pkt., 25c; 1/4 oz., 50c

## Nasturtium

**Double Climbing Fragrant Varieties.** Sow seed in late summer and give support early. Like cool nights and considerable water. Their bright flowers of spicy fragrance will come in handy during the winter months.

**Tall Golden Gleam.** Semi-double, yellow.

**Indian Chief.** Vivid scarlet flowers.

**Scarlet Gleam.** Bright orange-scarlet.

**Glorious Gleam Hybrids.** Wonderful range of color in double and semi-double flowers.

**Each of the above: Oz. 25c; 1/4 lb. 70c; lb. \$2.40.**

	Trade pkt. Oz.
<b>NEMESIA Nana Compacta Blue Gem.</b> Blue. 8 in.....	1/8 oz., 60c \$0.35
<b>Edelweiss (White Gem)</b> .....	1/8 oz., 90c .35
<b>Fire King.</b> Cerise Scarlet.....	1/8 oz., 60c .35
<b>Orange King.</b> Rich orange.....	1/8 oz., 60c .35
<b>Triumph Mixed.</b> .....	1/4 oz., 90c .35 \$3.20

A sowing made in the Fall and grown on cool will provide excellent plants for spring combination work.

## Phlox Drummondii Grandiflora

These grandiflora varieties make fine cut flowers. For best results, sow seed where you want them to bloom.

<b>Alba.</b> White.	<b>Rosea.</b>
<b>Alba Oculata.</b> White with dark eye.	<b>Rosea Albo-Oculata.</b> Salmon Rose with white eye.
<b>Brilliant.</b> Rose dark eye.	<b>Scarlet.</b>
<b>Carnea.</b> Flesh.	<b>Stellata Splendens.</b> Scarlet white eye.
<b>Chamois Rose.</b>	<b>Stellata Atropurpurea.</b> Deep reddish purple with white eye.
<b>Cinnabar Scarlet.</b> Brightest red.	<b>Stellata Rosea.</b> Rose with white eye.
<b>Crimson.</b>	<b>Violet Blue.</b>
<b>Flaming Velvet.</b> Deep velvety red.	<b>Violet with white eye.</b>
<b>Isabellina.</b> Buff yellow.	

**Each of above: Trade pkt., 35c; 1/4 oz., 75c; oz., \$2.40. Trade pkt. Oz.**

**Best large-flowering. Mixed.....** 1/4 oz., 60c \$0.25 \$1.80

**Cuspidata or Star. Mixed.....** 1/4 oz., 60c .25 1.80

**Gigantea Art Shades.....** 1/4 oz., 90c .40 3.00

**Mellow Moon.** Soft pastel yellow..... 1/4 oz., 90 .40 3.00

**Red Glory.** This is the richest bright red, with contrasting white eye..... 1/4 oz., 90c .40 3.00

**Rosy Morn.** Rose-pink with white eye, color deeper than Petunia of same name.... 1/4 oz., 90c .40 3.00

**Salmon Glory.** Pure salmon-pink with creamy white eye..... 1/4 oz., 90c .40 3.00

**Phlox.** Vaughan's Special Annual Mixture. Contains all the Grandiflora varieties listed here and several other strains only to be had in this mixture, and will delight and astonish all with its extensive variety of colors..... 1/4 oz., 75c .35 2.40

### PHLOX DRUMMONDI DWARF

**Vaughan's Beauty.** This fine strain of large flowering dwarf Phlox is especially recommended for pot culture, combination and border planting. The plants grow about 8 inches high, compact, and very free blooming.

<b>Blue Beauty</b>	<b>Salmon Beauty</b>
<b>Crimson Beauty</b>	<b>Scarlet Beauty</b>
<b>Mauve Beauty</b>	<b>Violet Beauty</b>
<b>Pink Beauty</b>	<b>White Beauty</b>
<b>Each of above.....</b>	1/4 oz., \$1.00 .40 3.20
<b>Vaughan's Beauty Mixed.....</b>	1/4 oz., \$1.00 .40 3.20

## Saintpaulia Blue Fairy Tale

Extra large flowers of ultramarine blue with a bright yellow eye. A hybrid variety coming 100% true from seed. Very free flowering. Strong bushy plants with foliage of a rich dark green will measure 12 to 14 inches across with good culture in 10 to 12 months. An outstanding selection. Trade pkt., \$1.50.

# Vaughan's Giant Pansies



PANSY VAUGHAN'S SUPER SWISS GIANT MIXTURE

Pansies have long been a favorite with us. We introduced the Swiss Giants to American gardens and named and introduced the lovely Canadian variety, Maple Leaf, several years ago.

## VAUGHAN'S SUPER SWISS GIANT MIXTURE

One of our leaders and represents the choicest strain of this popular and profitable flower. Combining the finest selections of several Pansy specialists, the perfect blending is further insured by the addition of separate colors that do not generally appear in the average mixture. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00;  $\frac{1}{4}$  lb., \$36.00.

## VAUGHAN'S IMPROVED SWISS GIANT MIXTURE

The flowers of this strain are of enormous size, 3 inches and over in diameter. They are perfectly round with overlapping petals, borne on strong stalks well above the remarkably luxuriant foliage. Thick petals, of a rich velvety texture, give this strain of pansy the required substance so necessary to a perfect pansy.

The superb colors and color combinations—are their distinctive feature. Excellent for greenhouse culture. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.30;  $\frac{1}{4}$  oz., \$2.25; oz., \$8.00; 4 oz., \$30.00.

## VAUGHAN'S DWARF SUPER SWISS MIXED

This type, being shorter and more compact, is more suitable to plant sales. The color range is as good as that of the Improved Swiss. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.40;  $\frac{1}{4}$  oz., \$2.40; oz., \$8.00.

## GIANT SWISS SEPARATE SORTS

**Swiss Alpenglow.** Rich wine-red shades.

**Swiss Berna.** Dark violet-blue.

**Swiss Blue (Ullswater. Thuner Sea).** The most distinct rich deep ultramarine blue with darker blotches.

**Swiss Coronation Gold.** Flowers golden-yellow. Perfectly round flowers, slightly ruffled edges. This is the best pure yellow pansy.

**Swiss Firebeacon.** Bright wallflower-red with a touch of orange.

**Swiss Pure White.** The best pure white pansy.

**Swiss Raspberry Rose.** A lovely tint of pink best described as Raspberry Rose. It has a suggestion of a lighter tone on the edges of the petal and is marked with a velvety blotch in a deeper tone.

**Swiss Rhinegold.** Canary-yellow with dark blotches.

Each of the above: Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

## VAUGHAN'S MAPLE LEAF GIANT MIXED

A distinct variety we introduced several years ago, having very large leaves and flowers of gigantic size, 4 to 5 inches across, perfectly round, of heavy substance in many attractive colors and color combinations. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.60;  $\frac{1}{4}$  oz., \$2.75; oz., \$9.00.

## VAUGHAN'S SUPER MAPLE LEAF MIXTURE "CANADIAN GIANTS"

A selection of the distinct variety Maple Leaf Giants which we introduced some years ago; having large leaves of a rich dark green and flowers of gigantic size and heavy substance, with good stems, in a beautiful color range. Plants of compact and sturdy growth. Trade pkt., 90c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

## VAUGHAN'S LONG STEMMED WINTER-FLOWERING MIXED RESELECTED

It has a much wider color range than other Winter-Flowering strains and has an excellent stem length, averaging better than 10 in. The bloom size is from  $2\frac{1}{2}$  to 3 in. and the flowers are of very good substance and sweet scented. Sow in summer for Mid-winter blooming and give support early.  $\frac{1}{2}$  Trade pkt., 60c. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$2.50;  $\frac{1}{4}$  oz., \$4.80.

## VAUGHAN'S GIANT MIXTURE

Large flowers of good substance in a complete color range in light and dark shades. Probably the best general complete high grade mixture obtainable. Trade pkt., 50c;  $\frac{1}{4}$  oz., \$2.50; oz., \$8.00;  $\frac{1}{4}$  lb., \$30.00.

**Delft Blue.** Porcelain-blue. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Giant Orange.** A perfectly round flower with overlapping petals of good substance. Color is a vivid orange, the upper petals carrying a halo of golden yellow. The lower petal is a deep orange. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Geneva Giant Mixed.** Grown from Originator's Stock Seed. A very fine strain. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.75; oz., \$10.00.

**America, Ideal Bedding or Basket Pansy.** Good substance with wide color range. Free-flowering. Trade pkt., 60c;  $\frac{1}{8}$  oz., \$1.40;  $\frac{1}{4}$  oz., \$2.40; oz., \$9.00.

**Engelmann's Giant Mixture.** Dark and light shades, huge flowers, compact and early flowering. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Jumbo Mixed.** Extra large and early; long stemmed flowers, An outstanding favorite in the South. Trade pkt., 75c;  $\frac{1}{8}$  oz., \$1.80;  $\frac{1}{4}$  oz., \$3.00; oz., \$10.00.

**Masterpiece—Giant Curled.** The colors are superb, mostly red and brown shades. Trade pkt., 50c;  $\frac{1}{4}$  oz., \$1.80; oz., \$6.00.

**Oregon Giants (Originator's Stock).** A fine strain of giant ruffled pansies. The large flowers of heavy texture have a delicate fragrance and come in all shades and coloring. Long stems and luxuriant foliage. Pkt. 200 seeds, 50c; pkt. 500 seeds, \$1.00; 3 \$1.00 packets for \$2.00;  $\frac{1}{2}$  oz., \$6.00; oz., \$12.00.

**Butterfly Hybrids.** Long stemmed, ruffled and frilled flowers in pastel shades including flesh-pinks overlaid with bronze, clear, strong orchids, pinks as bright as daisies, deep rose, and yellows so deep they look almost orange. Upper petals show a vivid sunburst while lower petals are blotched with metallic sheens of color like the wings of butterflies. Trade pkt., \$1.00;  $\frac{1}{8}$  oz., \$2.00;  $\frac{1}{4}$  oz., \$3.50;  $\frac{1}{2}$  oz., \$6.00.

## GIANT SEPARATE SORTS

**Adonis.** Light blue, white center.

**Beaconsfield.** Deep purple, upper petals white.

**Black.** Large flowered, true black.

**Bright Blue.**

**Prince Henry.** Darkest blue.

**Purple.** Very large, rich deep purple.

**Pure Yellow.**

**St. Knud.** Golden orange.

**White with Purple Eye.** Very large.

Each of above, Trade pkt., 35c;  $\frac{1}{8}$  oz., 80c;  $\frac{1}{4}$  oz., \$1.50.

## EARLY FLOWERING OR ICE PANSIES

Flowers three weeks earlier than others, affording an excellent companion for early spring flowering bulbs.

**Blue Boy.** Lavender. **Helios.** Pure yellow.

**Winter Sun.** Golden yellow with black eye.

Each of above, Trade pkt., 35c;  $\frac{1}{4}$  oz., \$1.20; oz., \$4.40.

# Double Petunias

## All Double Dwarf (Victorious) Fringed

Again available are the popular World Beauty Improved, Blue Brocade, Snowball, with other popular varieties, plus many new colors and color combinations. That these are welcomed back by florists is beyond question, as there is no finer pot plant for Easter, Mother's Day and spring planting. Advance orders will be filled upon arrival of seed this Fall.

### NEW AND IMPROVED VARIETIES

**Illumination Improved.** This is the brightest of all Victorious Petunias and the new improved strain is even brighter and larger flowered than the original. A bright red overlaid with a scarlet sheen. The best as to color, plant habit and size of flower. A must for the pot plant grower.

**Mayflower.** Bright carmine-red veining on white with large and well fringed flowers.

Each of the above, 1/128 oz., \$8.50; 1/2 Trade pkt., (400 seeds), \$2.25; Trade pkt., (800 seeds), \$4.00.

**Fantasy.** A variegated form of Blue Brocade. Conspicuously striped with rich, velvety violet blue and white.

**Purple Glow.** Deep glowing purple with velvety blue sheen. The flowers are well fringed, measuring 3 1/2 to 4 inches across and the habit of growth uniformly dwarf.

**Prima Donna (Orange).** The nearest to orange in Petunias. The flowers are large, well fringed and the plant habit uniformly dwarf.

**Silver Blue.** Now available to the trade a clear blue without marked veination formerly found in this color. The flowers are large and well fringed.

Each of the above, 1/2 Trade pkt., (400 seeds), \$2.25; Trade pkt., (800 seeds), \$4.00.

### POPULAR STANDARD VARIETIES

**Attraction.** The brightest carmine-rose and white combination of the Victorious Series. Dwarf and bushy in habit with flowers well doubled and fringed.

**Blue Brocade Improved.** Large well fringed full double flowers of rich velvety blue. This new strain is just as dwarf and compact as others in the Victorious group.

**Gaiety.** A bicolor in rose or light rose-red with white ground. Except for lighter tones, similar to "Attraction".

**Loveliness.** La France or salmon pink; an especially valuable color to the florist, has the uniformity of growth and habit of World Beauty.

**Pure White Improved (Snowball).** The pure white flowers are very large, 3 1/2 inches across, full double and well fringed. This new improved strain is very compact and dwarf, growing but 10 inches tall.

**Rosy Carmine Improved. (World Beauty or Pink Perfection).** Uniformity of growth and a brighter rose color shall increase the popularity of this variety more than ever. What could be better than a plant of 8 to 10 blooms with this appealing color, fringing and doubleness to attract pot plant sales.

Each of the above, 1/2 Trade pkt., (400 seeds), \$2.00; Trade pkt., (800 seeds), \$3.50; 1/4 oz., \$11.00; 1/32 oz., \$21.00.

### DOUBLE LARGE-FLOWERING

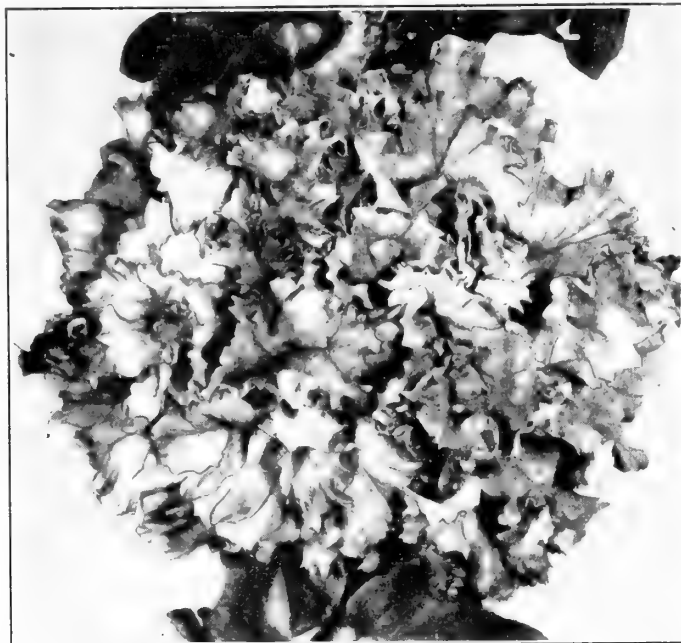
**All Double Vaughan's Formula Mixture.** A blend made of the various All Double Mixtures now available, to which has been added separate colors in the right proportions. 1/2 oz., \$24.00; 1/4 oz., \$12.50; 1/128 oz., \$6.50; 1/2 trade pkt., \$2.00; Trade pkt., \$3.50.

**Colossal Shades of Rose Improved.** Giant double blooms up to 5 inches or more across on vigorous compact plants. Containing 80% rose and new salmon shades. Makes fine 4 to 5 inch pot plants for Easter, Mothers' Day and spring combinations. 1/128 oz., \$5.00; 1/4 oz., \$9.00; 1/2 Trade pkt., (500 seeds), \$1.50; Trade pkt., (1000 seeds), \$2.50.

**All Double Canadian Mixture.** Full double flowers in a blend which includes rose, pink, salmon, white and mauve. 1/128 oz., \$6.65; 1/4 oz., \$12.60; 1/32 oz., \$24.00; 1/2 Trade pkt., \$2.00; Trade pkt., \$3.50.

### DOUBLE SMALL-FLOWERING

**All-Double America Improved.** A rich rose-pink, slightly deeper in color than the original with flowers of larger size coming more uniformly full-double. Extremely free flowering; excellent for bedding and cutting. 1/4 oz., \$6.50; 1/32 oz., \$12.00; 500 seeds, \$1.25; 1000 seeds, \$2.00.



PETUNIA ALL—DOUBLE TYPE  
PAN-AMERICAN STRAIN

**Rhapsody.** The new color in All Double Petunias—sparkling Burgundy Wine-Purple. Flowers of immense size, full-double and fringed, borne on sturdy stems; plants compact. Vigorous grower, free blooming. 1/2 trade pkt., \$2.50; trade pkt., \$4.00; 1/128 oz., \$7.60; 1/4 oz., \$14.45.

**Allegro Improved** Large double fringed deep salmon flowers. A beautiful new color in this class that will appeal to many customers.

**Caprice Improved.** Double deep fringed bright rose flowers on dwarf-growing plants. An attractive color that will sell on sight.

**Nocturne.** A deep midnight-purple of Elk's Pride purple. Flowers somewhat semidouble.

**Sonata.** Large, double, pure white flowers. Fine for Mothers' day. Recommend pinching plants to induce branching.

Each of the above, 1/2 trade pkt., (500 seeds), \$2.50; trade pkt., (1000 seeds), \$4.00; 1/128 oz., \$7.60; 1/4 oz., \$14.45.

**Glorious Mixture.** Contains tall and dwarf types in all of the above colors. This formula mixture is first class in every respect. 1/128 oz., \$6.65; 1/4 oz., \$12.80; 1/32 oz., \$23.75; 500 seeds, \$2.00; 1000 seeds, \$3.50.

### PETUNIA GIANT-FLOWERING SINGLE

The flowers in this section measure from 5 to 7 inches across.

#### DWARF CALIFORNIA GIANTS IMPROVED

**Vaughan Blend.** The best strain of giant-flowered Petunias in existence for pot culture and bedding. The plants are bushy, grow about 12 inches high and produce their immense flowers freely and in a wonderful variety of colors. 1/2 Trade pkt., 75c; Trade pkt., \$1.25; 1/4 oz., \$2.50; 1/32 oz., \$4.50; 1/16 oz., \$8.00.

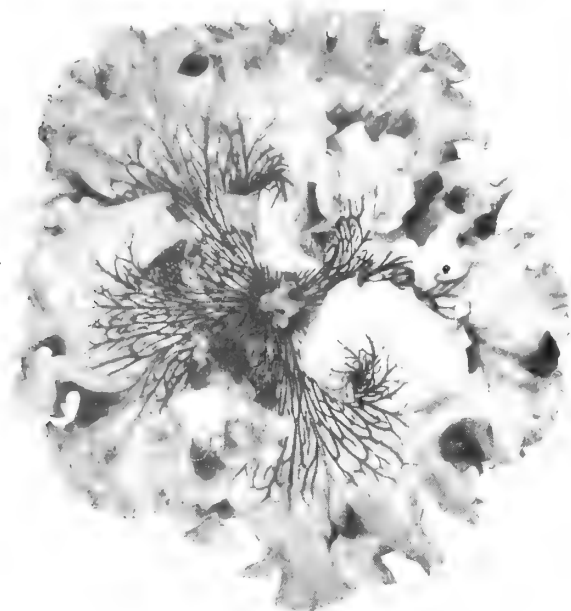
**Dwarf California Giants. Dark Selection.** A favorite with many growers and it has given universal satisfaction. 1/2 Trade pkt., 60c; Trade pkt., \$1.00; 1/4 oz., \$1.75; 1/32 oz., \$3.20; 1/8 oz., \$11.00; oz., \$64.00.

**Ramona Strain.** Dark and light shades. A dwarf sturdy growing type especially suited to pot culture. Flowers are beautifully ruffled and fringed with open well marked throats. 1/2 Trade pkt., 60c; Trade pkt., \$1.00; 1/4 oz., \$1.40; 1/32 oz., \$2.60.

**Extra Dwarf Giants of California.** This strain has been bred to fill the need for a truly dwarf pot Petunia. The color range has also been greatly improved and brightened. 1/4 oz., \$3.50; 1/32 oz., \$6.50; 1/16 oz., \$12.00; 1000 seeds, \$1.50.

**Vaughan's Best Mixture.** Large-flowering single sorts.

This mixture is made up by ourselves from all the best single Petunias both fringed and plain-edged, and will give the most satisfactory results. Trade pkt., 50c; 1/4 oz., \$1.00; 1/32 oz., \$1.80; 1/16 oz., \$3.20.



PETUNIA Dwarf California Giants Improved (Vaughan's Blend)

## PETUNIA—Continued

**RUFFLED GIANTS WITH LARGE-VEINED THROATS**

The flowers in this section measure from 5 to 7 inches across.

	Trade	pkt.	Oz.
Copper-Red, Dark-throated, $\frac{1}{32}$ oz., \$2.80; $\frac{1}{64}$ oz., \$1.40	\$0.75	.....	
<b>Giants of California Mixed.</b> This is a most superb mixture, not at all to be compared with the seed usually offered.....			
..... $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.70; $\frac{1}{16}$ oz., \$4.75	.75	.....	
<b>Prince of Wuerttemberg.</b> Rich dark red with dark throat.....			
..... $\frac{1}{32}$ oz., \$2.70; $\frac{1}{64}$ oz., \$1.40	.75	.....	
<b>Salmon Beauty.</b> (Marylyn). A unique color, rich salmon.....			
..... $\frac{1}{64}$ oz., \$1.50	.75	.....	
<b>Supreme Florist Strain of Giants of California.</b> A strain of rose and pink shades with large ruffled, shallow open throated flowers freely produced on strong growing plants.....			
..... $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75; $\frac{1}{16}$ oz., \$5.00	.75	.....	
<b>Ruffled Monsters in mixture.</b> With large veined throats.....			
..... $\frac{1}{64}$ oz., \$1.20; $\frac{1}{32}$ oz., \$2.00; $\frac{1}{16}$ oz., \$3.60	.50	.....	

**LARGE SINGLE FRINGED**

(Flowers 3 to 4 inches across)

<b>Carmencita.</b> A salmon-scarlet deeper than anything seen so far. A true scarlet-orange. The dwarf plants are covered with fringed flowers. Perfect for pots. ....			
..... $\frac{1}{128}$ oz., \$1.10; $\frac{1}{64}$ oz., \$2.10	.80	.....	
<b>Fringed Snowstorm.</b> Pure glistening white, of good substance, with a slight tinge of yellow in the throat. The blooms are $2\frac{1}{2}$ to 3 inches in diameter and deeply fringed. The habit is dwarf and spreading; breaks nicely to produce a compact plant.....			
..... $\frac{1}{64}$ oz., \$1.50; $\frac{1}{32}$ oz., \$2.75	1.00	.....	
<b>Rosita.</b> Creamy rose with netted throat. Large heavily ruffled and fringed flowers on compact well branched plants. Vigorous and free branching yet dwarf and uniform. An outstanding pot plant variety.....			
..... $\frac{1}{128}$ oz., \$1.10; $\frac{1}{64}$ oz., \$2.10	.80	.....	
<b>Royalty.</b> The immense ruffled and waved blossoms vary from pure white touched with purple through varying combinations of purple and white to rich self colored blossoms. Often blossoms of all these combinations appear on one plant.....			
..... $\frac{1}{32}$ oz., \$2.75; $\frac{1}{64}$ oz., \$1.50	.50	.....	
<b>Setting Sun.</b> (Dwarf). Brilliant rose-pink fringed flowers.....			
..... $\frac{1}{32}$ oz., \$2.75; $\frac{1}{64}$ oz., \$1.50	.50	.....	
<b>Theodosia.</b> Re-selected. Large flowered, fringed, rosy pink with a clearly defined, golden throat. Fine for window boxes.....			
..... $\frac{1}{32}$ oz., \$2.50; $\frac{1}{64}$ oz., \$1.40	.50	.....	

## PETUNIA Large Single Fringed—Continued

Trade pkt. Oz.

<b>Fluffy Ruffles.</b> The flowers are so ruffled and frilled they have the appearance of being double. The flowers are very large with large throat. It is a well balanced mixture of pink, white, salmon, deep rose crimson, and light blue. About 75% will be ruffled. ....			
..... $\frac{1}{32}$ oz., \$1.40; $\frac{1}{16}$ oz., \$2.50	\$0.50	....	
<b>Ruffled Nana Compacta Little Giants, Mixed.</b> 8-12 ins. tall. The medium sized, well ruffled and waved, deep-throated flowers continue to keep the plants completely covered. The unusually attractive colors range from deep crimson to white in every imaginable shade. ....			
..... $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50	.75	....	

**NEW F1 HYBRID VARIETIES**

(Large Single Dwarf Fringed)

<b>Bolero.</b> Carmine-rose pink flowers, well ruffled and fringed, $3\frac{1}{2}$ to 4 inches across. Plants uniformly dwarf and compact. Profuse bloomer; outstanding pot plant strain. August delivery.	
<b>La Paloma.</b> Large well fringed flowers 100% large flowering, pure white with yellow throat. Most uniform and vigorous grower. An early December sowing will produce Easter pot plants.	
<b>Each of above.</b> $\frac{1}{64}$ oz., \$7.45; $\frac{1}{128}$ oz., \$3.80; $\frac{1}{2}$ trade pkt., \$1.00; trade pkt., \$2.00	
<b>Tango.</b> Deep salmon outside of bloom, shading to scarlet salmon nearer throat. Flowers $3\frac{1}{2}$ to 4 inches across, beautifully fringed. Truly dwarf but due to hybrid vigor are strong growing and extremely free blooming. 12 to 15 inches high with spread of 2 ft. Very brilliant. $\frac{1}{2}$ trade pkt., \$1.00; trade pkt., \$2.00.	

**LARGE SINGLE PLAIN EDGED**

(Flowers 3 to 4 inches across)

	Trade	pkt.	Oz.
<b>Dazzler.</b> An exceedingly brilliant large flowering low growing dazzling scarlet shows minor variation from seed.....			
..... $\frac{1}{4}$ oz., \$11.00; $\frac{1}{8}$ oz., \$6.00; $\frac{1}{16}$ oz., \$3.25; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{64}$ oz., \$1.00	\$0.50	....	
<b>Dwarf Elk's Pride.</b> Re-selected. Velvety violet. ....			
..... $\frac{1}{64}$ oz., \$1.40; $\frac{1}{32}$ oz., \$2.50; $\frac{1}{16}$ oz., \$4.50	.50	....	
<b>Dwarf Pink Glory.</b> Compact habit, pure flame rose-pink.....			
..... $\frac{1}{32}$ oz., \$2.00	.50	....	
<b>Snow Storm Improved.</b> Flowers are the purest white and the uniformity of the dwarf compact growth is marvelous.....			
..... $\frac{1}{16}$ oz., \$5.25; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{64}$ oz., \$1.75	.75	....	
<b>White Cloud.</b> 12 in. A great favorite on account of its dwarf compact habit.....			
..... $\frac{1}{64}$ oz., \$1.00; $\frac{1}{32}$ oz., \$1.75; $\frac{1}{16}$ oz., \$3.25	.50	....	

**SINGLE SMALL-FLOWERED DWARF SORTS**

<b>Admiral.</b> Extra reselected. This is the best dwarf rich violet blue Petunia with waved flowers, of good size, and even growth. ....			
..... $\frac{1}{64}$ oz., \$1.60; $\frac{1}{32}$ oz., \$3.00; $\frac{1}{16}$ oz., \$5.50	\$0.75	....	
<b>Blue Ball.</b> Early flowering velvety violet blue. Several shades lighter than Blue Bird. Dwarf and compact growth. One of the best ever offered. ....			
..... $\frac{1}{4}$ oz., 70c; $\frac{1}{4}$ oz., \$1.30	.35	\$4.50	
<b>Celestial Rose Improved.</b> Definitely superior to the regular Celestial Rose, slightly dwarfier in habit and larger flowered. Unquestionably the best available strain of this fine pot plant item.....			
..... $\frac{1}{4}$ oz., \$1.75; $\frac{1}{8}$ oz., \$1.00	.50	6.00	
<b>Elk's Star.</b> A starred Petunia of exceptional merit. The blue-purple flowers, of Howard's Star type, are all uniformly marked with pure white star. Plants, 12 to 15 inches, make an even upright growth and the flowers cover the plant. It combines particularly well with Rosy Morn for both height and a pleasing color arrangement.....			
.....	.50	....	
<b>Fire Chief.</b> A brilliant scarlet red, entirely new in this class. Plants dwarf and compact, very free flowering over a long season of bloom. Gold Medal Winner for 1950 in the All America Selections.....			
..... $\frac{1}{32}$ oz., \$1.25; $\frac{1}{16}$ oz., \$2.25; $\frac{1}{8}$ oz., \$3.50	.50	....	
<b>Glow.</b> The richest red small flowering Petunia, a dwarf bushy plant which is covered with $2\frac{1}{2}$ inch flowers of dazzling carmine red.....			
..... $\frac{1}{16}$ oz., \$1.25; $\frac{1}{8}$ oz., \$2.00	.35	....	

**PETUNIA Single Small Flowered Dwarf Sorts—Continued**

	Tr	pkt	Oz
<b>Glowing Rose.</b> Compact plants of unusual uniformity are covered with glowing-rose flowers larger than most dwarf varieties. . . . . $\frac{1}{8}$ oz., \$1.60; $\frac{1}{16}$ oz., 90c	\$0	50	...
<b>Heavenly Blue Reselected.</b> A light silvery blue varies about 10% in shade. $\frac{1}{8}$ oz., 90c; $\frac{1}{4}$ oz., \$1.50	.35		\$5.00
<b>King Henry (Dwarf Flaming Velvet).</b> Large flowers of a rich velvety blood-red color. Very free flowering. Dwarf compact habit. . . . . $\frac{1}{32}$ oz., \$1.30; $\frac{1}{16}$ oz., \$2.50; $\frac{1}{8}$ oz., \$4.50	.50		....
<b>Rose Charm (F-1 Hybrid).</b> Clear rich rose. Flowers produced in such profusion plants are almost entirely covered. Very showy. A single plant often reaching 3 ft. in diameter; ideal for bedding and border. . . . . $\frac{1}{128}$ oz., \$1.90; $\frac{1}{64}$ oz., \$3.70	1.00		...
<b>Rose of Heaven Select.</b> Abrilliant rose-pink $\frac{1}{4}$ oz., 75c	.35		2.80
<b>Rosy Morn Select.</b> Pink with white throat. $\frac{1}{4}$ oz., 75c	.35		2.80
<b>Silver Medal (F-1 Hybrid).</b> Flowers of salmon pink with rose sheen, 3 inches across, borne in great profusion on low bushy plants. An outstanding variety. . . . . $\frac{1}{2}$ trade pkt., \$1.00	1.75		....
<b>Snowball.</b> Pure white flowers on compact plants. This proved to be the best bedding white variety in our Trials. . . . . $\frac{1}{4}$ oz., \$1.00	.35		3.60
<b>White Perfection.</b> This is one of the best white Petunias in existence. They are compact in growth with abundant snow-white flowers, which profusely cover the plants. . . . . $\frac{1}{8}$ oz., 65c; $\frac{1}{4}$ oz., \$1.20	.35		4.00
<b>Vaughan's Special Dwarf Mixture.</b> Small flowering sorts. . . . . $\frac{1}{4}$ oz., 75c	.35		2.80
<b>Starred Mixture of Dwarf Hybrid Varieties.</b> This includes all varieties in which a star of a contrasting color appears in the flower. . . . . $\frac{1}{4}$ oz., \$1.25	.35		....

For complete list see Spring Catalog

## Primula Malacoides (Baby Primrose)

Recent improvements in this Baby Primrose class have made it indispensable for Florist's use. Seed sown in June will flower for Christmas and September sown seed will produce nice plants for Easter and Mother's Day. Sow in sterile soil.

### Erikssoni Varieties—Originator's Strain.

**Glory of Riverside Improved.** True rose-pink, a strong grower and without a doubt, the most valuable variety for all purposes.

**Lavender New Baby Improved.** While some flowers are a lavender-pink, this variety does contain the most beautiful shades of lavender.

**Lilac Beauty.** The color is a pure soft lilac, absolutely fixed. This is another fine color for making up artistic combinations.

**Mrs. Eriksson of Riverside.** Large flowers of deep rose-red.

**New Giant.** Large flowers of light salmon-rose borne on heavy stems. Late to bloom.

**Peachblossom.** Deep peachblossom pink. Compact habit and an excellent keeper.

**Red New Baby Improved.** Glowing red, large flowered. A heavy producer on long stems.

**White Giant.** (Pure White). Large pure white flowers on strong stems; good for combinations.

Each of the above, trade pkt., \$1.25.

**Malacoides Special Mixed.** A formula-blend composed of Erikssoni varieties. Trade pkt., \$1.25.

## New Giant Malacoides

**Double Fairy Jewels.** The color is a lovely, rich rose pink, slightly deeper in the center than the outer or older petals. The strain comes 90% to 95% double from seed. Trade Packet (about 1,000 seeds), \$1.50.

**Enchantress.** A beautiful, soft salmon rose. The well rounded, beautifully formed flowers are  $\frac{7}{8}$  to 1 inch in diameter and produced in unbelievable profusion. A well grown plant will have 50 or more heavy stemmed spikes. Trade packet (about 1,000 seeds), \$1.50.

**Snow Flake.** Has flowers of the purest shimmering snow white. Its beautifully formed 1-inch florets adorn the stately stems like glistening jewels sharply highlighted by the lush green foliage. Trade packet (about 1,000 seeds), \$1.00.

**Mixture.** A mixture of giant varieties. Trade packet (about 1,000 seeds), \$1.00.



PRIMULA Obconica Grandiflora

## Primula Obconica

### Gigantea Wyaston Wonder Hybrids

These have huge heads of flowers carried on strong stems well above the foliage. In spite of the vigorous growth they make a compact and tidy plant.

	Trade	pkt.
<b>Crimson.</b> . . . . . $\frac{1}{64}$ oz., \$3.00; $\frac{1}{32}$ oz., \$5.50	\$1.25	
<b>Orchid Lavender.</b> . . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25	

### Grandiflora Varieties

<b>Grandiflora Avalanche.</b> White. $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Appleblossom.</b> Pink. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Better Days.</b> Deep carmine-red. Very large-flowering. The compact, well branched growth is very symmetrical and the mass of flower heads shows evenly above the dark green foliage, on strong stems. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Dark Blood Red.</b> . . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Sky Blue (Konigsee).</b> Extra-large flowers. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Fasbender Red.</b> Flowers rich deep red of enormous size. Outstanding variety. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Lachsrosa.</b> A beautiful salmon-rose. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Mohnstein's Dark Red.</b> . . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Mueller's (Berlin) Rose.</b> . . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Perle van Niederrhein.</b> Strong growing, large flowered and free blooming scarlet red. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Rose Queen.</b> Large, perfect blooms of great substance, bright carmine rose. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25
<b>Obconica Grandiflora Mixed,</b> many colors. . . . . $\frac{1}{64}$ oz., \$2.25; $\frac{1}{32}$ oz., \$4.25	1.25

## Malacoides Various Sorts

	Trade	pkt.
<b>Brilliancy (Erikssoni, grown from Originator's).</b> Flowers open lavender, changing to crimson-red. . . . .	\$1.00	
<b>Dawkins Carmine Pink.</b> . . . . . 1000 seeds	1.25	
<b>Giant Crimson.</b> . . . . . 1000 seeds	1.00	
<b>Porcelain (Delft Blue).</b> . . . . . 1000 seeds	1.00	
<b>Princess Mary.</b> Deep rose pink. . . . . $\frac{1}{64}$ oz., \$2.25; 1000 seeds	1.25	
<b>Salmon Rose.</b> . . . . . $\frac{1}{64}$ oz., \$2.00; 1000 seeds	1.00	

	Trade	pkt.	Oz.
<b>SHAMROCK.</b> Sow early. . . . . $\frac{1}{4}$ oz., 35c	\$0.20		\$1.20
<b>SMILAX Asparagoides.</b> Ornamental climbing foliage plant. . . . . $\frac{1}{4}$ oz., 75c	.35		....
<b>STEVIA Serrata.</b> Fragrant, small white flowers freely produced in clusters. Fine to mix with other flowers. Easily grown indoors summer or winter. . . . . $\frac{1}{4}$ oz., 80c	.35		....
<b>STATICE Suworowii.</b> Russian. Also known as "Rat Tail." Flowers bright rose color. Sow inside for winter blooming in a cool house. . . . . $\frac{1}{4}$ oz., 40c	.15		1.20





SALVIA Splendens Vaughan's Masterpiece

## Salvia Splendens

Sow seed in flats and give bottom heat, as this helps germination of seed considerably. New crop available about November 1st.

		Trade pkt.	Oz.
<b>America</b> (Globe of Fire). A favorite with many growers. Plants grow about 18 inches high, in uniform dense globe-shaped bushes.	1/4 oz., \$1.35	\$0.50	\$4.50
<b>Blaze of Fire</b> . Bright scarlet. The earliest of all, dwarf early flowering.	1/2 oz., \$3.50; 1/4 oz., \$2.00	.75	6.00
<b>Brightness</b> . Plants grow as tall as the old Splendens Type but the habit is more compact and the bloom earlier; coming into flower with Bonfire.	1/4 oz., \$1.00	.40	3.50
<b>Harbinger</b> . 16 in. Very early, scarlet.	1/4 oz., \$1.40	.50	5.00
<b>Clara Bedman</b> (Bonfire). Erect habit—the old standby.	1/4 oz., \$1.35	.50	4.50
<b>Vaughan's Masterpiece</b> . The finest dwarf extra early flowering variety. Massive scarlet spikes; even compact habit.	1/8 oz., \$1.25; 1/4 oz., \$2.25	.75	8.00
<b>Rose Flame</b> . A rich coral pink, which blends well with other flower colors overcoming the objection to the harsh scarlet sage tones. Growth vigorous, and branching, early flowering; flower spikes are long, 8 to 12 inches and freely produced.	1/4 oz., \$1.40	.50	5.00
<b>St. John's Fire</b> . Blooms very early but remains in perfect condition until frost. Grows only 10 inches tall when in full bloom in August. The bright scarlet spikes stand densely and rigidly upright on the uniform and compact plants.	1/8 oz., \$1.40; 1/4 oz., \$2.50; 1/2 oz., \$4.25	.75	7.50
<b>Zurich</b> . Early. Free flowering, scarlet. 2 ft.	1/4 oz., \$1.25	.50	4.40

## Schizanthus

		Trade pkt.	Oz.
<b>Vaughan's Dwarf Masterpiece</b> . The plants grow dwarf and compact, making them most suitable for pot culture. The color range of the flowers, which are of good size, is the most varied, well balanced from light pink and rose, to a pleasing dark violet, with conspicuous blotches.	1/6 oz., \$1.00; 1/8 oz., \$1.65	\$0.50	.....
<b>Vaughan's Excelsior Hybrids</b> . A choice strain with very large flowers in an excellent blend of colors. A splendid cut flower item.	1/4 oz., \$1.75; 1/8 oz., \$1.10	.50	.....
<b>Wisetonensis Monarch Strain</b> . Finest strain of large flowered hybrids, rich colors and flowers of perfect form.	1/4 oz., \$2.00; 1/8 oz., \$1.25	.50	.....
<b>Dr. Badger's Hybrids</b> . Splendid large flowers with brilliant coloring, compact grower 8 to 10 in. tall.	1/4 oz., \$1.10	.35	.....
<b>Bridal Veil</b> . Pure white, excellent.	1/6 oz., \$1.20	.75	.....
<b>Pansy-flowered</b> . Large pansy-flowered blooms. The rich self-colors in all shades of pink, crimson, mauve and purple, as well as white are extremely bright and attractive.	1/4 oz., \$1.75; 1/8 oz., \$1.00	.35	.....

# Stocks

Our Stocks are produced by the most careful growers and are equal to the best in the market.

Varieties preceded by star (★) are the most popular colors.

A leaflet on "Methods of Selecting Double Flowered Stocks in the Seedling Stage," by Prof. S. L. Emsweller, will be included in all orders for Column Stocks seed.

## GIANTS OF CALIFORNIA

This magnificent group comes very early, having the branching habit of the Bismarck, with mammoth flowers on longer stems. When planted close they make one long spike of mammoth florets closely packed around the stem.

Blood-Red "The Red Woods"	Rose "Yosemite"
Blue "Pacific"	Rose Carmine "Sequoia"
Chamois "Santa Barbara"	Velvety Violet "Mojave"
Lavender "Tahoe"	White "Santa Maria"
Pink "Monterey"	Yellow "Golden Gate"
Each of the above, Trade pkt., 35c; 1/8 oz., 70c; 1/4 oz., \$1.25; oz., \$4.40.	

Giants of California Mixed. Trade pkt., 35c; 1/8 oz., 65c; 1/4 oz., \$1.20; oz., \$4.00.

## IMPROVED GIANT BISMARCK (Early Giant Imperial)

One of the best Stocks, for both inside and outside planting. The plants grow in pyramidal form, about 2 1/2 ft., are strong and robust and are covered with large double flowers. Plant close and take out center shoot as soon as safe to get more and longer side branches which that way produce more flowers.

Antique Copper.	Appleblossom. (Blush-pink).
Buttercup. Deep golden yellow.	
★Chamois. Dark Blue.	Elk's Pride. (Royal purple).
Flesh. Pale coral pink.	Fiery Blood-Red.
Golden Rose.	★Lavender.
★Shasta. Vigorous, glistening white.	★Lilac.
	★Rose.
Trade pkt. Oz.	
Each of the above, 1/8 oz., 65c; 1/4 oz., \$1.10 \$0.35 \$3.40	
Giant Bismarck Mixed. All colors.	
	1/8 oz., 65c; 1/4 oz., \$1.10 .35 3.40

## "NON-BRANCHING" COLUMN STOCKS

These produce one enormous spike with large flowers, 2 to 2 1/2 ft. high, and can be planted close together in the bench, which makes them a profitable type. Are in season with Bismarck variety.

<b>American Beauty</b> . Rich deep carmine rose.
★Apricot (No. 20). Strong growing buff with a faint pink tinge.
Blue. Dark lilac blue.
Chamois Pink. A warm rosy buff color.
Deep Apricot. Slightly darker color than Apricot No. 20 above.
<b>Gardenia Improved</b> . Flowers of the purest white. Larger individual floret; plant grows at least 6 in. taller and comes into flower 10 days earlier than the regular strain. Needs disbudding.
<b>Illusion</b> . Scarlet red.
★Lilac Lavender. Same as Silvery Lilac.
<b>Pink Giant</b> . (New). A rich rose pink almost identical in color to Rose Pink No. 14, except for the slightly brighter center of the flower. The large florets are closely set on long stems.
<b>Pink</b> (No. 11). Light rose-pink, exact shade of Bismarck Rose.
<b>Purple Heart</b> . Long stemmed, bright violet purple.
★Rose Pink (No. 14). A deep selection from No. 11; a rose-pink, not a deep heavy rose. Good market color. Long-stemmed, about ten days later than No. 11.

<b>Ruby</b> . Rich crimson red.
★Silvery Lilac. Lilac lavender.
★Supreme No. 22. Rich silvery rose with extra long stems and fine heavy spike.
★Vaughan White No. 1. A companion to Silvery Lilac in height and bloom-date.
<b>White Giant</b> . (New). Long stemmed pure white without trace of green. The large florets are closely set on strong stems.
★White Improved No. 16. Semi-tall. Early pure white, with large florets and compact spike.
★Yellow Wonder. Best yellow.
Special Florist Mixed. Mixture of the best selling colors.
Each of above: 1/2 tr. pkt., 60c; tr. pkt. (about 1200 seeds), \$1.00; 1/8 oz., \$1.35; 1/4 oz., \$2.50; oz., \$9.00.

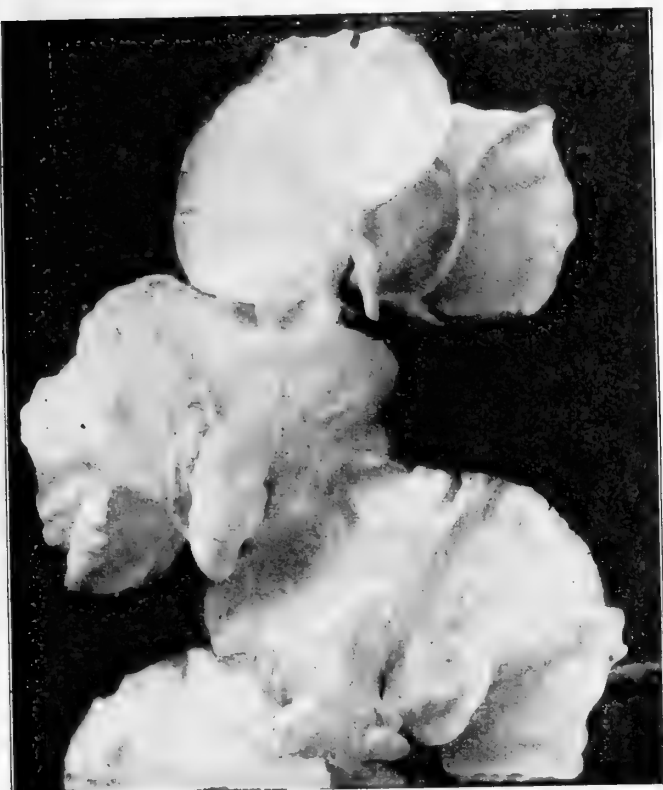
## DWARF LARGE-FLOWERING TEN WEEKS

Compact pyramidal growth, excellent for pots, bedding or combinations. Not desirable for cutting.

Blood-Red	Dark Blue	Lavender
Bright Pink	Deep Rose (Carmine pink)	White
Canary Yellow		
Trade pkt. Oz.		
Each of above		1/4 oz., 55c \$0.25 \$2.00
Dwarf Large-Flowering. 10 weeks. Extra choice.		
Mixed		1/4 oz., 55c .25 2.00



# Sweet Peas Early-Flowering Spencer



SWEET PEAS CUTHBERTSON (Spring Flowering)

By the use of the star-symbol (★) we have indicated the varieties which, according to our experience, have proved the most satisfactory in the various colors and classes.

Nitragin for inoculating Sweet Pea Seed, Garden Size Packet, 10c. Sweet Peas should be inoculated with Nitragin before planting.

Any of the following, 1/2 oz., 30c;  
1 oz., 50c; 1/4 lb., \$1.50; lb., \$5.50.

## PINK, ROSE AND SALMON

A. C. Zvolanek. Rich rose-pink. Long stemmed. An improved Mrs. Holscher.

American Beauty. A rich crimson rose.

★Apollo. A soft salmon-cerise. Fine spring bloomer long stemmed.

★Ball Rose Improved. Extra rich deep rose.

Ball Rose Supreme. Large wavy flowers of bright silvery rose pink.

Ball Rose Queen. Extra long stemmed and large flowered clear rose pink.

★Boon. Deep salmon-pink.

★Bridesmaid. Deep silvery pink with stems unusually long

★Daphne. A soft salmon-pink.

Giant Rose Pink. Fragrant. Rose pink.

Josie. Brilliant rose-pink, vigorous, large flowers; long stems.

★Laddie Improved. Light rose-pink. Fragrant. Long stemmed.

★Sequoia. A rich golden salmon-rose.

## BLUE, LAVENDER AND PURPLE

Amethyst. An early-flowering "Royal Purple." Fragrant.

Ball Blue Supreme. Much larger flowered than Mrs. Hoover, a long stemmed heavy producer.

Blue Bird. Violet blue. Fragrant.

Fragrance. Large frilled lavender flowers, for spring blooming.

★Harmony. Popular lavender, fragrant.

★Mrs. Herbert Hoover. Bright blue. Fragrant.

Tahoe. Midblue. Spring blooming.

★Triumph. Deep lilac mauve.

★Twilight. A medium clear lavender.

## ORANGE

★Ball Orange Improved. Clear deep glowing orange.

Fiesta. Brilliant orange cerise, definitely sunproof.

★Treasure Island. A sparkling golden orange

Valencia. Sunproof orange. Long stems for spring blooming

## WHITE AND CREAM

Ball White. Large flowered, long stemmed, pure white.

Cascade. Very large flowered white, white-seeded.

Gardenia. Fragrant velvety white flowers, ruffled and duplexed.

★Hope. A mammoth-flowered black-seeded pure white.

Snow Drop. A pure paper white, large flowers, long stems. White Seeded.

★Snow Queen. Pure white, black-seeded. Sow to follow "mums."

★White Champion. Best early-flowering white-seeded white.

★White Harmony. A standard black-seeded white.

## SCARLET AND MAROON

Bacchus. Mammoth flowered duplex. Rich red maroon.

Grenadier. Dazzling scarlet.

Pride. Pure cerise large flowers on long stems.

Redwood. Dark velvety crimson.

Sparks. Brilliant poppy scarlet.

Top Sergeant. Deep blood-red crimson.

Vaughan's Special Formula Mixture, Early Flowering Spencers from named sorts. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$5.00.

## Cuthbertson Spring Flowering

An important addition to the Sweet Pea family. Chief characteristics of this strain are great vigor, profusion of large fragrant blossoms, extra long stems, clear colors and ability to produce out of doors in those sections where Sweet Peas have been unsuccessful due to hot weather conditions.

Under glass they are sown from the middle to end of October to February for flowering well into late Spring.

Doris. Large waved blossoms, four-flowered sprays of intense brilliance on long stout stems. A distinct shade of cherry-rose.

Ronnie. Large well formed flowers on long stout stems. A deep orange that must be shaded to bring out the true rich color.

Ruth. Large flowers with waved standards of heavy substance freely produced on long thick stems. The color a rich deep rose-pink on white ground.

Each of the above, 1/2 oz., 35c; oz., 65c; 1/4 lb., \$2.00; lb., \$6.50.

Billy. Light carmine.

Carol. Clear pink, white ground.

Coline. Scarlet.

Danny. Brilliant navy blue.

David. Bright rose crimson.

Evelyn. Salmon cream pink.

Frances. Salmon on white ground.

Frank G. Rosy lavender.

Hazel. Light blue.

Janet. Black seeded white.

Each of above, 1/2 oz., 30c; oz., 50c; 1/4 lb., \$1.50; lb., \$5.50.

Mixed. All the above and others. 1/2 oz., 25c; oz., 45c; 1/4 lb., \$1.35; lb., \$5.00.

Jessie. Rich mauve shade.

Jimmy. Deep scarlet of good substance and size.

Katie. Rose cream pink.

Kenneth. Rich ox blood crimson.

Lois. Rose pink, white ground.

Marion. Cream black seeded.

Tommy. Clear medium blue.

William. A picotee rose pink on white background.

## Streptocarpus (Cape Primrose)

Flowers attain a diameter of 2 inches and over, similar to Gloxinias. They are borne on wiry stems and last long when cut. A fine pot plant for winter-blooming, when sown in January or February.

Red

Rose

Each, trade pkt., \$1.00

Trade pkt. Oz.

Mixed. A blend of rich colored sorts from prize varieties. 1/2 oz., \$2.75; 1/4 lb., \$1.00



VERBENA Bush Type

## VERBENA

**Gigantea Beauty of Oxford Hybrids.** The color shades from clear rose-pink to rose-red, makig this the brightest rose Verbena ever produced from seed.

**Alba.** Very large, pure white.

**Annapolis Blue.** Spreading habit, shades of light to deep blue.

**Crimson Glow.** Pure glowing crimson, without eye.

**Lavender Glory.** True lavender. Large flower umbels. Fragrant.

About 80% true.

**Lucifer.** Scarlet.

**Royale.** Royal blue with creamy yellow eye.

**Spectrum Red.** Intense pure bright red without eye.

**Violacea Stellata.** Violet, white eye.

Trade pkt. Oz.

Each of above.....  $\frac{1}{4}$  oz., 75c \$0.35 \$2.60

**Salmon King.** The largest flowered salmon. Color is clear deep salmon; plant tight and compact which eliminates the open center...  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Vivid.** Brilliant sunproof scarlet, brighter and more intense than Spectrum Red. Large uniform trusses, proportionately large florets. Compact plant, 8 inches tall.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Bush Type.** Plants are of uniform bushy habit about 8 to 10 in. high and 12 to 15 in. across, with flower heads practically touching each other. Most suitable for borders.

**Roselight.** A bright rose-pink with white eye.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Salmon Queen.** A pleasing shade of bright salmon pink with a small white eye.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Snow White.** Large flowered pure white.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Starlight.** A bright mid-blue with creamy-white eye.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Mixed.** This well-balanced mixture includes the above as well as others selected from the introducer's breeding grounds.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Royal Bouquet Mixed.** This variety has an upright growth on straight stems, making it a good cut flower sort and a symmetrical bedding plant. The flowers are very large in many charming colors; 15-18 in.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Vaughan's Best Mixed.** This is unquestionably the best strain of Verbena seed in existence. It is composed of the best strains, all grown separately, and mixed in the right proportion. Trade pkt., 35c;  $\frac{1}{4}$  oz., 75c; oz., \$2.60.

**THUNBERGIA.** Mixed. Fine climber or trailer for window boxes and hanging baskets. Flowers in shades yellow, buff and orange black centered.....  $\frac{1}{4}$  oz., 45c \$0.25 \$1.40

**TORENIA Fournieri.** Makes a fine pot plant for Mother's Day sales and very useful for combination baskets. Flowers blue with dark blotches on lip. 12 inch. Grown in southern states instead of pansies.....  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{8}$  oz., \$1.15 .50

**Fournieri Compacta.** Dwarf form of above.....  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{8}$  oz., \$1.15 .50

**Fournieri White.**.....  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{8}$  oz., \$1.15 .50

**Fournieri Compacta White.**.....  $\frac{1}{4}$  oz., \$2.00;  $\frac{1}{8}$  oz., \$1.15 .50



VIOLA Cornuta. In Flower All Summer

## Vinca Rosea

These are slow growers and must be started early. They are splendid as bedding plants or for combinations. They bloom all summer until frost and do well in either sun or partial shade. These should be in every florist's order for bedding plant sales.

Trade pkt. Oz.

**Rosea.** Pink, 1 ft.....  $\frac{1}{4}$  oz., 60c \$0.25 \$1.80  
**Fl. Alba Oculata.** White with pink eye.  $\frac{1}{4}$  oz., 60c .25 1.80  
**Alba Pura.** Pure white.....  $\frac{1}{4}$  oz., 60c .25 1.80  
**Delicata.** Soft pink.....  $\frac{1}{4}$  oz., 60c .25 1.80  
**Mixed.**.....  $\frac{1}{4}$  oz., 60c .25 1.80

## Viola

In most cases the true Violas are a better bedding subject than many Pansies as they seem to enjoy the heat of midsummer and bloom continuously.

**Cornuta Admiration.** Very large circular dark blue flowers. 8 in.....  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.75 \$0.50 \$5.50

**Arkwright Ruby.** Ruby crimson shading to terracotta.....  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.60 .50 8.00

**Avalanche.** Large flowered pure white.....  $\frac{1}{16}$  oz., \$1.00;  $\frac{1}{8}$  oz., \$1.80 .50

**Blue Beauty.** Bright blue, early, free flowering.....  $\frac{1}{8}$  oz., \$1.50 .50

**Blue Butterfly.** Mid-blue shading to white.....  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Blue Perfection.** Light blue, large flowered. 8 in.....  $\frac{1}{8}$  oz., \$1.00;  $\frac{1}{4}$  oz., \$1.75 .50 5.50

**Chantreyland.** Masses of beautiful flowers in rich apricot shade, tinted orange.....  $\frac{1}{4}$  oz., \$2.25 .50

**Chinese Blue.** A round-faced type of Viola such as Jersey Gem, Chantreyland, or Blue Perfection. Chinese Blue, according to the Royal Horticultural Chart, is French Blue.....  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.60 .50 8.00

**Jersey Gem.** Compact habit, deep violet-blue. 8 in. Free flowering.....  $\frac{1}{8}$  oz., \$2.00 .50

**King Henry.** Rich violet blue lavender center with small yellow eye.....  $\frac{1}{8}$  oz., \$1.00 .50

**Lutea Splendens.** Sulphur yellow. 8 in.  $\frac{1}{4}$  oz., \$1.20 .50 4.00

**Papilio.** Blue and white, 6 in.....  $\frac{1}{4}$  oz., \$1.25 .35

**Puck.** Yellow and Purple.....  $\frac{1}{4}$  oz., \$1.35 .35 4.80

**White Perfection.** Pure white. 8 in.  $\frac{1}{4}$  oz., \$1.35 .35 4.80

**Yellow Gem.** Compact habit, clear yellow flower.....  $\frac{1}{4}$  oz., \$1.20 .35

**Vaughan's Special Mixture.** The bright shades of self colors of red, yellow, blue and apricot, combined with many shades which are blotched, make these Violas a supreme mixture.....  $\frac{1}{8}$  oz., \$1.50;  $\frac{1}{4}$  oz., \$2.60 .50 8.00

**Large Flowering Scotch.** This strain will have large flowers. The color range is from white through all intermediate shades to purple all with two tone effect without blotches.....  $\frac{1}{8}$  oz., \$1.75;  $\frac{1}{4}$  oz., \$3.00 .50 10.00

# Hardy German Iris

## Special Offer

### New Giant Flowering Irises

5 each of Buechly Giant, City of Lincoln, Golden Majesty, Garden Flame, Grand Canyon, Gudrun, Indian Hills, Ormohr, Morocco Rose, and Wabash. 50 Irises (value \$14.38) for \$11.50.

There is no comparison between these new beauties and the old obsolete varieties. Plant out a good collection and sell the flowers on Decoration Day and the rhizomes in July, Aug. and Sept. You will be surprised at the demand you will have for them.



"S" refers to the three standard or upright curling petals.

"F" refers to the three falls or drooping petals.

All prices are F. O. B. Western Springs, Ill., packing charges to be added to cost.

<b>Amigo.</b> 34 in. "S" clear light violet blue; "F" intense violet purple, edged lighter. A richly colored Iris.	Each	10	25
	\$0.30	\$2.50	.....
<b>Azure Skies.</b> 36 in. Beautifully ruffled, pale azure blue self with domed standards and flaring falls.	.60	4.50	\$8.75
<b>Berkeley Gold.</b> 38 in. A large deep clear yellow self of fine form, heavy substance and smooth texture.	.50	4.00	7.50
<b>Blue Rhythm.</b> 40 in. Extra large flowers of cornflower blue with a silvery sheen on beautifully branched stalks. Head of its class in mid-blues. Dykes Medal 1950.	2.00	.....	.....
<b>Blue Shimmer.</b> 36 in. Extremely large and full white plicata peppered with clear blue. Very different.	.60	5.00	10.00
<b>Bryce Canyon.</b> 38 in. An unusual, self colored blend of warm henna copper. Does well everywhere.	1.50	.....	.....
<b>Buechly Giant.</b> 40 in. Clear lavender-blue bicolor of perfect form and sensational size.	.30	2.25	4.50
<b>California Gold.</b> 36 in. A super novelty with magnificent, large flowers of dazzling, deep golden yellow.	.30	2.25	4.50
<b>China Maid.</b> 48 in. An intriguing blend of pink, golden copper and soft lilac. Large flowers of fine form.	.50	3.50	7.50
<b>Christabel.</b> 38 in. Very showy, large flowers of gleaming copper-red.	.30	2.50	5.00
<b>City of Lincoln.</b> 40 in. Magnificent bicolor. Standards of bright yellow, falls rich, velvety red; golden edged.	.30	2.50	5.00
<b>Copper Lustre.</b> 36 in. Huge flowers of a blend of glowing copper and gold with iridescent sheen.	.30	2.50	.....
<b>Daybreak.</b> 40 in. A huge golden pink with slight undertones of copper.	.60	4.50	.....
<b>Elmohr.</b> 36 in. A hardy colossal seedling of Wm. Mohr. Color reddish mulberry with pinkish glow; of great brilliance.	.60	4.50	8.75
<b>Elsa Sass.</b> 38 in. Ruffled lemon yellow, of good size and form.	.30	2.50	5.00
<b>Garden Flame.</b> 34 in. A large, richly colored Iris of deep rose-mahogany. Late.	.60	4.50	8.75
<b>Garden Magic.</b> 44 in. A late very dark velvety red—in great demand.	.50	4.00	.....
<b>Golden Majesty.</b> 42 in. A truly superb deep yellow iris. Large blooms of thick substance do not fade.	.30	2.50	5.00
<b>Grand Canyon.</b> 40 in. Very large, ruffled flowers of an odd blend of plum and copper and gold.	.50	3.50	7.50
<b>Great Lakes.</b> 48 in. An exquisite blue. Ideally formed blooms with flaring falls and crisp petal texture.	.50	4.00	7.50
<b>Gudrun.</b> 36 in. Enormous, well shaped flowers of lovely pure white, dusted with soft gold at the throat.	.30	2.25	4.50
<b>Indian Hills.</b> 37 in. A stunning Iris of rich wine purple.	.30	2.25	4.50
<b>Lady Mohr.</b> 36 in. S. Huge, oyster-white, slightly fluted; F. frosted chartreuse with prominent veining and a dark patch by the beard.	.90	7.50	.....
<b>Los Angeles.</b> 40 in. Giant, snowy-white flowers of satin texture; standards edged lavender-blue.	.30	2.25	4.50
<b>Master Charles.</b> 38 in. A gorgeous flaring flower of rich, glowing mulberry purple.	.90	7.50	.....
<b>Ming Yellow.</b> 50 in. The perfect yellow Iris. Vigorous in growth, strong foliage and stout, well branched stems.	.40	3.00	.....
<b>Missouri.</b> 36 in. Clear vivid blue of sensational size.	.30	2.50	5.00
<b>Morocco Rose.</b> 38 in. "S" lustrous pale pink; "F" deep rosalene pink, long and flaring. A beautiful creation.	.40	3.00	6.25
<b>Mulberry Rose.</b> 40 in. Huge flowers of radiant, lovely mulberry rose with a bronze beard.	.60	5.00	10.00
<b>Nightfall.</b> 36 in. Rich, blackish, pansy-purple color, with standards several shades lighter than falls.	.50	3.50	7.50

<b>Ola-Kala.</b> 36 in. Brilliant ruffled deep orange-yellow. Dykes Medal winner for 1948.	Each	10	25
	\$0.60	\$5.00	\$10.00
<b>Ormohr.</b> 40 in. Extra-large blooms of soft gray lavender veined violet with rosy glow. Hardy. Easy to grow.	.30	2.50	5.00
<b>Pink Satin.</b> 42 in. Large, finely shaped flowers of a very delicate, yet glistening pink.	.30	2.25	4.50
<b>Prairie Sunset.</b> 37 in. A gorgeous blend of peach, apricot, rose, copper and gold, like a prairie sunset.	.60	4.50	8.75
<b>Radiant.</b> 33 in. "S" brilliant burnished orange; "F" rich coppery red. Attracts immediate attention.	.30	2.25	4.50
<b>Ranger.</b> 36 in. Very large, brilliant, almost true crimson-red self. One of the last to bloom.	.90	7.50	.....
<b>Sable.</b> 40 in. Almost perfect black with a silky sheen. Excellent form, hardness, and intense color make it "tops" in its color class.	.50	4.00	8.75
<b>Snow Flurry.</b> 40 in. Enormous, beautifully ruffled flowers of pure icy white, very faintly flushed blue.	.60	5.00	10.00
<b>Spun Gold.</b> 38 in. A magnificent Iris of gleaming, deep pure, velvety yellow. Dykes Medal 1944.	.60	5.00	10.00
<b>Stardom.</b> 34 in. Unusual in its blending of coppery-pink and apricot-buff. Bright orange beard.	.30	2.50	5.50
<b>The Red Douglas.</b> 40 in. Sensational, new vibrant red-purple of colossal size, gorgeously rich in color. The experts agree it's one of finest of all Irises.	.50	4.00	7.50
<b>Tiffanja.</b> 38 in. Standards creamy, colonial buff; falls glistening white, edged buff, and speckled light brown.	.60	5.00	10.00
<b>Vagabond Prince.</b> 36 in. Glossy deep black-purple self on well branched stalks.	.30	2.50	5.00
<b>Wabash.</b> 39 in. Dykes Medal 1940. "S" snowy white; "F" deep hyacinth-violet. The experts agree it is one of the finest Irises ever introduced.	.30	2.50	5.50

## FALL BLOOMING IRIS

These varieties bloom in the Spring with the Early flowering varieties and have a habit of blooming again in the Autumn.

	Each	10	25
<b>Autumn King.</b> 30 in. A large blue-purple bicolor.	\$0.25	\$2.00	\$4.50
<b>Eleanor Roosevelt.</b> 28 in. Deep velvety purple self.	.30	2.25	5.00
<b>Jean Siret.</b> 15 in. Dwarf yellow, gives long season of bloom in Spring and Fall.	.25	2.00	.....
<b>October Blaze.</b> 34 in. Glowing red-purple bi-color.	.30	2.25	5.00
<b>Southland.</b> 28 in. Clear chrome yellow of good size.	.25	2.00	4.50

## SIBERIAN IRIS

The most hardy and elegant of all small flowered Irises. They grow on tall stems, have graceful, grass-like foliage, and are excellent for cutting, good established clumps having from 15 to 30 flower stalks.

	Each	10	25
<b>Emperor.</b> Large flowers of deep violet-blue.	\$0.30	\$2.00	\$4.25
<b>Perry's Blue.</b> A tall, beautiful variety, excellent for cutting. Large, well formed flowers of sky-blue.	.30	2.00	4.25
<b>Snow Queen.</b> 30 in. Large ivory white.	.30	2.50	5.00

## DWARF IRIS

These varieties bloom two weeks in advance of the tall bearded Iris.

	Each	10	25
<b>Atroviolacea.</b> 5-in. Red-purple with white tipped beard. Very early.	\$0.25	\$2.00	\$4.25
<b>Cyanea.</b> 6 in. Very dwarf, rich crimson purple, fragrant.	.25	2.00	4.25
<b>Keepsake.</b> 8 in. Bright golden yellow on slender stems.	.30	2.50	5.00
<b>Tampa.</b> 8 in. Clear wine red on slender stalks.	.30	2.50	5.00

## JAPANESE IRIS (Kaempferi)

<b>Gold Boud.</b> White with gold banded center. Double.	\$5.50	\$3.50	\$7.50
<b>Blue Bird.</b> Beautifully formed flower of rich blue.	.50	4.00	8.75
<b>Pink Pearl.</b> Delicate pink with lilac tone. Double.	.50	4.00	8.75
<b>Purple and Gold.</b> Rich violet-purple. Gold center. Double. Midseason.	.50	3.50	7.50

# Vaughan's Peonies

5 of a Kind at the 10 Rate—25 of a Kind at the 100 Rate

Prices are F. O. B. Western Springs, Ill., packing charges to be added at cost.

WE HAVE an exceptionally large stock of our own growing. Strictly true to name, all in strong divisions, with from 3 to 5 eyes each.

The figures preceding the varieties are the rating given to them by the American Peony Society

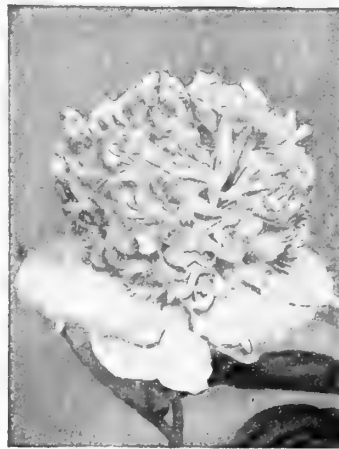
Peonies in established plantings need to be fed each Spring. A top-dressing of a balanced plant food well worked in will do wonders, but it should be applied early.

## WHITE AND LIGHT SORTS

8.8	<b>Alsace Lorraine.</b> Creamy white, center tinted Havana brown. Very beautiful form; late midseason.....	Each	10	100
		\$0.60	\$4.50	\$40.00
8.7	<b>Avalanche.</b> A magnificent flower that opens like a rose. Pure snow-white with a few pencillings of carmine on the edge of the center petals. Delightfully fragrant; late midseason. A very good cut flower and cold storage variety.....	.60	5.00	40.00
9.0	<b>Baroness Schroeder.</b> Immense flowers of great substance with high chalice-shaped center. Opens a delicate flesh-white, sometimes a soft baby-pink, changing to creamy white. One of our best cut flower varieties and an excellent keeper in storage.....	.75	6.00	50.00
9.3	<b>Festiva Maxima.</b> Popular large white, dotted carmine. Often 7 to 8 inches in diameter. Early.....	.60	5.00	45.00
9.1	<b>Frances Willard.</b> Exquisite blush-white, of good substance and a fine cut flower variety.....	.75	6.00	50.00
8.9	<b>Jubilee.</b> Very large ivory-white; early.....	.50	4.00	.....
9.5	<b>Kelway's Glorious.</b> Fragrant glistening white petals slightly crinkled and curved inward. Late midseason.....	2.00	17.50	.....
9.4	<b>LeCygne.</b> A magnificent milk white flower with curving petals. Globular, of great size and free blooming. Early midseason.....	2.00	17.50	.....
8.5	<b>Marie Lemoine.</b> Large, compact blooms of ivory-white; Dwarf; strong grower; fragrant; very late.....	.50	4.00	37.50
9.4	<b>Mme. Jules Dessert.</b> White with delicate tints of flesh and straw. Strong growing, free flowering and a great prize winner; midseason.....	.75	6.50	60.00
7.9	<b>Mme. de Verneville.</b> Fragrant flowers, very full double, pure white, with center delicately tinted blush. Early.....	.50	4.00	35.00
9.0	<b>Mrs. A. M. Brand.</b> Very large, perfect rose form flowers of pure glistening white. Very late.....	1.75	15.00	.....
9.5	<b>Mrs. J. V. Edlund.</b> Pure white of perfect form.....	2.50	.....	.....
9.3	<b>Nick Shaylor.</b> Beautiful globular blooms of perfect form. Color blush pink, flushed salmon.....	3.00	.....	.....
8.8	<b>Nymphaea.</b> Semi-double flowers of delicate creamy white with yellow stamens. Resembles a water lily.....	.50	4.00	37.50
8.6	<b>Primevere.</b> Sulphur-yellow. Bomb type; very fragrant; midseason.....	1.00	9.00	.....
9.2	<b>Solange.</b> Compact large thick petals which closely overlap. Color a deep cream tinged amber and salmon pink. Late.....	.75	6.00	50.00
9.4	<b>Tourangelle.</b> Pearly-white overlaid with delicate shades of salmon. Late.....	.60	5.00	.....

## LIGHT AND DARK PINK AND ROSE

8.7	<b>Claire Dubois.</b> Clear, satiny pink, with glossy reflex. Late midseason.....	Each	10	100
		\$0.60	\$ 5.00	\$40.00
7.6	<b>Edulis Superba.</b> Usually blooms for Decoration Day. The flowers are a beautiful deep, vivid pink, with a silvery reflex, and are borne profusely on tall, strong stems. One of the best of all Peonies for cut flowers in its color and season; very fragrant.....	.50	4.00	35.00
8.9	<b>Georgiana Shaylor.</b> Large, flat, pale rose pink with a few flecks of crimson. Midseason.....	.60	5.00	40.00
9.1	<b>Hansina Brand.</b> Giant flowers of deep flesh-pink with a salmon reflex. Wonderful show flower.....	2.00	.....	.....
9.1	<b>Martha Bullock.</b> Immense cupped shape flowers of bright old-rose pink that are often 9 to 12 inches in diameter, on tall, stout stems. Very beautiful; fragrant; late. Good cut-flower variety.....	.90	7.00	60.00
9.2	<b>Mons. Jules Elie.</b> By many considered the most beautiful of all Peonies. Enormous full flowers, resembling a Chrysanthemum; color a glistening satiny pink, overlaid with a sheen of silver. Very fragrant; early. Good cold storage variety.....	.75	5.00	45.00
9.3	<b>Mrs. F. D. Roosevelt.</b> Very beautiful new pink that rivals Tourangelle for being called "The World's Most Beautiful Peony".....	3.00	.....	.....
9.1	<b>Myrtle Gentry.</b> Immense flowers of wonderful substance. Light pink tinted flesh and salmon; fragrant. Late midseason.....	1.25	10.00	.....
8.7	<b>Reine Hortense (President Taft).</b> One of the finest Peonies. A vigorous, strong grower, a profuse bloomer and an excellent cut-flower variety. The flowers are extremely large and in color are a uniform light pink, center flecked crimson. Midseason. This variety and Sarah Bernhardt are two pink peonies of highest quality for all purposes.....	.60	4.50	40.00



MONS. JULES ELIE



JAPANESE PEONY

## LIGHT AND DARK PINK AND ROSE—Continued

9.0	<b>Sarah Bernhardt.</b> One of the best pink peonies in the world. Tall, vigorous grower and prolific bloomer. The color is a dark rose-pink, edged lighter pink; center flecked crimson. Fine cut flower and storage variety; late midseason.....	Each	10	100
		\$0.65	\$5.00	\$40.00
9.5	<b>Therese.</b> Wonderful peony of perfect habits. Immense blooms of translucent old-rose pink. Early Midseason.....	1.00	7.50	70.00
9.3	<b>Walter Faxon.</b> Bright delicate rose pink flower. Free blooming; lasts well cut. Midseason.....	.75	6.50	55.00

## RED AND CRIMSON

8.4	<b>Felix Crousse.</b> Large globular blooms of rich, even brilliant, dazzling ruby-red; late midseason. Good cut flower and storage variety.....	.60	5.00	45.00
8.2	<b>Grover Cleveland.</b> Large compact flowers of rich bright crimson on stiff stems. It has excellent foliage and is one of our most desirable reds. Late midseason.....	.60	5.00	40.00
8.6	<b>Inspecteur Lavergne.</b> Vivid crimson, frilled petals in the center; very full globular flower.....	.75	6.00	50.00
8.8	<b>Karl Rosefield.</b> Very large flower, globular, semi-rose type of rich velvety-crimson. Extremely vigorous grower; tall, early.....	.60	4.50	40.00
9.0	<b>Longfellow.</b> Bright crimson. Semi-rose type; tall; late midseason.....	1.00	7.50	70.00
8.7	<b>Mary Brand.</b> Full double, vivid crimson of large size. Strong grower; fragrant; midseason.....	.75	6.50	60.00
8.8	<b>Mons. Martin Cahuzac.</b> Dark purple-garnet with black reflex.....	1.25	11.50	.....
8.6	<b>Officinalis Rubra Plena.</b> Old-fashioned early red usually in bloom by Decoration Day.....	1.00	7.50	.....
9.2	<b>Philippe Rivoire.</b> Perfectly formed flowers of very dark crimson; velvety sheen; fragrant; late.....	1.50	12.50	.....
8.8	<b>Richard Carvel.</b> Large globular flowers of uniform bright crimson. Tall annual and profuse bloomer. Delicate fragrance. Excellent for cut-flowers; usually blooms for Decoration Day.....	.90	7.50	.....

## UN-NAMED PEONIES—Divided Roots of from 3 to 5 Eyes

		Each	10	100
	<b>Double Pink.....</b>	\$0.40	\$3.00	\$25.00
	<b>Double Red.....</b>	.50	3.50	30.00
	<b>Double White.....</b>	.40	3.50	27.50

## JAPANESE FLOWERED PEONIES

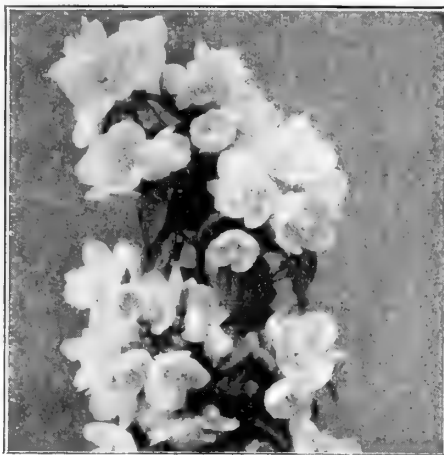
9.2	<b>Ama-No-Sode.</b> Bright rose, shading lighter toward the edge of the petals; considered the best pink.....	Each	10	100
		\$1.75	\$15.00	.....
9.2	<b>Fuyajo.</b> Rich dark maroon guards. Petaloids dark red striped and tipped buff.....	1.00	9.00	.....
8.2	<b>Gold Mine.</b> Cup-shaped flowers of dark rose-pink with deep golden center. A strong grower and profuse bloomer. Midseason.....	.60	5.00	40.00
8.6	<b>Mikado.</b> Guards velvety crimson, forming a cup enclosing crimson petaloids, edged and tipped gold.....	.60	5.00	.....
9.0	<b>Toro-No-Maki.</b> Very large lilac-white with amber yellow center. Spectacular and very beautiful.....	1.75	15.00	.....

## TREE PEONIES—5 Inch Pot Plants

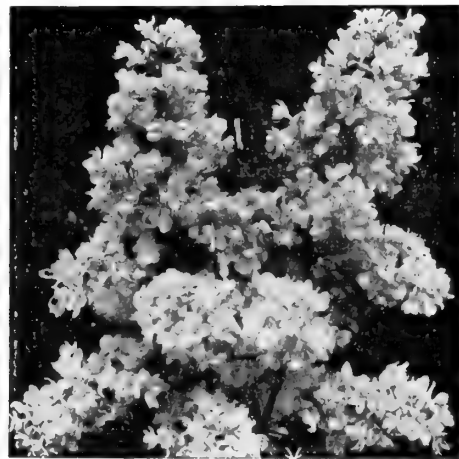
	<b>Lactea.</b> Pure white, blotched carmine.....	\$3.50	.....	.....
	<b>Reine Elizabeth.</b> Very large, bright salmon-pink.....	3.50	.....	.....
	<b>Souv. De Ducher.</b> Large, globular blooms of bright reddish violet with silvery reflex.....	3.50	.....	.....
	<b>Souv. De Maxime Cornu.</b> Enormous flowers with wrinkled petals of deep yellow, heavily shaded orange.....	7.50	.....	.....



EUONYMUS Alatus Compacta



PHILADELPHUS Virginalis



SYRINGA French Hybrid Lilac

# Ornamental and Flowering Shrubs

OUR shrubs are nursery-grown and are transplanted every two or three years. They are nice, shapely bushes with plenty of good fibrous roots, and are such plants as are in demand by the first class retail trade. They should not be compared to stock that is never moved from the cutting or seeding beds until sold.

Our Nursery is located at Western Springs, 15 miles west of Chicago on the C. B. & Q. R. R., two blocks south of 47th Street, on Wolf Road.

Visitors are invited to inspect our stock at any time. We have a choice lot of specimens such as are not usually seen. Our customers will be pleased with the class of stock we send them.

**Shipping Directions:** All stock is sold F.O.B. Western Springs. Packing charges to be added on all orders for shrubs, dormant roses, fruits, trees, evergreens, and vines, at cost. Always give full and explicit shipping directions, as our responsibility ends on delivery to the express or freight office in good condition. All trees, shrubs and plants shipped subject to customer assuming risk regarding their own State Nursery Inspection Regulations. Certificate furnished with each shipment.

Where personal selection of stock is made at our Nursery we charge according to its value.

**Warning**—Prices on all nursery stock subject to change without notice. 5 plants of one kind supplied at 10 rate; 30 plants of one kind supplied at 100 rate.

	Each	10	100
ACANTHOPANAX Pentaphyllum. 4 to 5 ft.....	\$1.00	\$ 8.50	.....
5 to 6 ft.....	1.10	10.00	.....
AMELANCHIER Canadensis (Shadblow Serviceberry). 3 to 4 ft.....	1.00	9.00	.....
BERBERIS.			
Koreana (Korean Barberry). 2 to 3 ft.....	.75	6.50	.....
Thunbergi (Green-leaved Barberry). 18 to 24 in.....	.60	4.50	40.00
Thunbergi Atropurpurea (Redleaf Barberry).			
18 to 24 in.....	.65	5.50	50.00
24 to 30 in.....	.75	6.50	.....
2½ to 3 ft.....	.90	8.50	.....
CALYCANTHUS Floridus (Sweet Shrub).			
2 to 2½ ft.....	.85	7.50	.....
CORNUS Alba Sibirica (Redtwig Dogwood).			
2 to 3 ft.....	.60	5.00	45.00
3 to 4 ft.....	.70	6.00	55.00
4 to 5 ft.....	.85	7.00	65.00
Amomum (Silky Dogwood).			
2 to 3 ft.....	.50	4.00	35.00
3 to 4 ft.....	.60	5.00	40.00
Stolonifera Flaviramea (Goldentwig Dogwood).			
3 to 4 ft.....	.70	6.00	55.00
COTONEASTER Acutifolia (Peking Cotoneaster).			
2 to 3 ft.....	.75	6.50	.....
3 to 4 ft.....	.90	8.00	.....
CYDONIA Japonica (Flowering Quince).			
18 to 24 in.....	.60	5.00	45.00
EUONYMUS Alatus Compacta (Dwarf Burningbush). 18 to 24 in.....	1.90	17.50	.....
2 to 2½ ft.....	2.00	.....	.....
2½ to 3 ft.....	2.75	.....	.....
3 to 3½ ft.....	3.50	.....	.....
3½ to 4 ft. B. & B.....	5.50	.....	.....
4 to 4½ ft. B. & B.....	6.50	.....	.....
Europaeus (European Spindletree). 3 to 4 ft.....	.75	7.00	.....
4 to 5 ft.....	1.10	10.00	.....
Radicans Colorata (Purpleleaf Wintercreeper).			
2½ in. pots.....	.45	3.50	25.00
3 in. pots.....	.55	4.50	35.00
Radicans Vegetus (Bigleaf Wintercreeper).			
2½ in. pots.....	.60	5.50	50.00
3 in. pots.....	.85	7.50	65.00
18 to 24 in. B. & B.....	3.75	35.00	.....
2 to 2½ ft. B. & B.....	4.75	.....	.....
FORSYTHIA Intermedia Spectabilis (Showy Border Goldenbell). 2 to 3 ft.....	.60	5.50	50.00
3 to 4 ft.....	.75	6.50	60.00
Spring Glory. 2 to 3 ft.....	.85	7.50	.....
HALESIA Tetraptera (Carolina Silverbell).			
4 to 5 ft.....	1.15	10.00	.....

	Each	10	100
HAMAMELIS Vernalis (Winterblooming Witch-hazel). 3 to 4 ft.....	\$1.75	.....	.....
4 to 5 ft.....	3.00	.....	.....
HYDRANGEA Arborescens Grandiflora (Snowball H.). 18 to 24 in.....	.65	\$5.50	\$50.00
2 to 3 ft.....	.85	7.50	.....
Paniculata Grandiflora (P. G. Hydrangea).			
18 to 24 in.....	.65	5.50	50.00
KOLKOWITZIA Amabilis (Beautybush).			
2 to 3 ft.....	.85	7.50	.....
3 to 4 ft.....	1.00	9.00	.....
LIGISTRUM Amurense (Amur Privet, North).			
18 to 24 in.....	.....	2.50	20.00
2 to 3 ft. heavy.....	Per 1000	\$275.00	.....
3 to 4 ft. heavy.....	Per 1000	300.00	.....
4 to 5 ft.....	.....	5.00	40.00
Ibota Regelianum (Regels Privet).			
18 to 24 in.....	.60	5.50	.....
LONICERA Demissa. 2 to 3 ft.....	.75	6.50	.....
Korolkowi Floribunda (Broad Blueleaf Honeysuckle). 2 to 3 ft.....	.75	6.50	.....
3 to 4 ft.....	.85	7.50	.....
Korolkowi Zabeli (True Red Honeysuckle).			
3 to 4 ft.....	.75	6.50	60.00
4 to 5 ft.....	.85	7.50	70.00
Tatarica Alba. 3 to 4 ft.....	.70	6.00	55.00
4 to 5 ft.....	.80	7.00	65.00
Tatarica Rosea. 2 to 3 ft.....	.60	5.00	45.00
3 to 4 ft.....	.70	6.00	55.00
Tatarica Rubra. 2 to 3 ft.....	.60	5.00	45.00
3 to 4 ft.....	.70	6.00	55.00
PHILADELPHUS Grandiflora (Common Mock Orange).			
3 to 4 ft.....	.70	6.00	55.00
Ophelia. 3 to 4 ft.....	1.00	8.50	.....
Minnesota Snowflake. (Patent No. 538). 2 to 3 ft.....	1.00	.....	.....
Virginalis (Semi-double Mock Orange). 2 to 3 ft.....	.75	7.00	65.00
5 to 6 ft.....	1.50	12.50	.....
PHYSOCARPUS Monogynus (Dwarf Ninebark).			
2 to 3 ft.....	.60	5.00	45.00
Opulifolius (Common Ninebark). 5 to 6 ft.....	.75	6.50	60.00
Opulifolius Aureus. 5 to 6 ft.....	.75	6.50	60.00
PRUNUS Glandulosa Sinensis (Double Pink Flowering Almond). 2 to 3 ft.....	.85	7.50	.....
RHODOTYPOS Kerrioides (Jetbead). 2 to 3 ft.....	.70	6.50	.....
ROSA Hugonis (Father Hugo's Rose). 2 yr.....	.70	6.00	50.00
Multiflora Japonica (Fence Rose).			
¼ in. at crown.....	Per 500	\$30.00; Per 1000	\$55.00
SALIX Purpurea Nana (Dwarf blueleaf Arctic Willow). 2 to 3 ft.....	.75	6.50	.....

Please Tell Us How to Ship. We Express Unless Otherwise Instructed.

All Prices except where noted are F. O. B. Our Nurseries, Western Springs, Ill.



ORNAMENTAL SHRUBS—Continued		Each	10	100
<b>SPIRAEA Arguta Multiflora (Garland S.).</b> 2 to 3 ft.....		\$0.65	\$5.50	\$50.00
Bumalda Anthony Waterer. 18 to 24 in.....		.65	5.50	....
Bumalda Froebeli (Froebel Everblooming S.).				
18 to 24 in.....		.50	4.50	40.00
24 to 30 in.....		.70	5.50	50.00
Macrothyrsa (Everblooming Pink S.). 2 to 3 ft.....		.75	6.50	....
Trichocarpa (Korean Spiraea). 3 to 4 ft.....		.60	5.00	....
Van Houttei (Bridal Wreath). 2 to 3 ft.....		.55	4.50	40.00
3 to 4 ft.....		.65	5.50	50.00
4 to 5 ft.....		.75	6.50	60.00
<b>SYMPHORICARPOS.</b>				
Racemosus (Snowberry). 3 to 4 ft.....		.50	4.50	40.00
Vulgaris (Coralberry). 3 to 4 ft.....		.50	4.50	40.00
<b>SYRINGA Japonica (Tree Lilac). 3 to 4 ft.....</b>				
4 to 5 ft.....		1.00	9.00	....
5 to 6 ft.....		1.50	12.50	....
6 to 7 ft.....		2.00	....	....
Microphylla (Littleleaf Lilac). 3 to 4 ft.....		1.75	....	....
Persica (Persian Lilac). 2 to 3 ft.....		.75	6.50	60.00
3 to 4 ft.....		.85	7.50	70.00
Villosa (Late Lilac). 3 to 4 ft.....		.85	7.50	....
4 to 5 ft.....		1.00	9.00	....
Vulgaris Alba (Common White Lilac). 2 to 3 ft.....		.75	6.50	....
Vulgaris Purpurea (Common Purple Lilac).				
2 to 3 ft.....		.65	5.50	50.00
3 to 4 ft.....		.70	6.00	....
<b>FRENCH HYBRID LILACS.</b>				
Belle de Nancy. Double satiny rose. 18 to 24 in.....		1.00	....	9.00
Charles Joly. Double wine red; silvery reverse				
18 to 24 in.....		1.15	....	10.00
3 to 4 ft.....		2.75	....	....
Charles X. Single reddish purple; fragrant.				
3 to 4 ft.....		2.75	....	....
4 to 5 ft.....		3.50	....	....
Mme. Lemoine. Double white; fragrant.				
18 to 24 in.....		1.00	....	9.00
2 to 3 ft.....		1.60	....	15.00
President Grevy. Double blue.				
18 to 24 in.....		1.00	....	9.00
2 to 3 ft.....		1.60	....	15.00
Vestale. Single White.				
3 to 4 ft.....		2.75	....	....
4 to 5 ft.....		3.50	....	....
<b>VIBURNUM Burkwoodi (Gardenia Scented Snow-</b>				
<b>ball). 18 to 24 in.....</b>		2.50	....	....
Dentatum (Arrowwood). 4 to 5 ft.....		.90	8.50	75.00
Fragrans. 3 to 4 ft. B & B.....		4.50	....	....
4 to 5 ft. B & B.....		5.00	....	....
Lantana (Wayfaringtree). 3 to 4 ft.....		.90	8.00	75.00
4 to 5 ft.....		1.00	9.00	85.00
5 to 6 ft.....		1.10	10.00	....
Lentago (Nannyberry V). 4 to 5 ft.....		1.00	9.00	....
6 to 8 ft.....		1.35	12.50	....
Opulus (European Cranberrybush).				
3 to 4 ft.....		.80	7.00	65.00
4 to 5 ft.....		1.00	9.00	....
Opulus Sterile (Old Fashioned Snowball).				
2 to 3 ft.....		.85	7.50	....
3 to 4 ft.....		1.00	9.00	....
4 to 5 ft.....		1.25	10.00	....

## Ornamental and Shade Trees

All our trees are nursery grown and are one or more times transplanted. All prices are subject to change without notice and are F. O. B. Nursery, Western Springs, Illinois.

ACER Ginnala (Amur Maple).		Each	10
4 to 5 ft.....	per 100	\$75.00	\$1.00
5 to 6 ft.....	per 100	\$90.00	1.10
<b>Platanoides (Norway Maple).</b>			
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		5.50	52.50
<b>Platanoides Columnare (Columnar Norway Maple).</b>			
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		8.50	80.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....		9.50	90.00
<b>Platanoides Schwedleri (Schwedler Maple).</b>			
8 to 10 ft., branched.....		5.35	50.00
<b>Platanoides Schwedleri Nigra (Crimson King Maple) (Patent No. 735).</b>			
5 to 6 ft. whips.....		4.00	....
6 to 7 ft. whips.....		5.00	....
<b>CELTIS Occidentalis (Hackberry).</b>			
8 to 10 ft., 1 to 1 1/4 in. caliper.....		3.90	37.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.75	45.00
<b>CRATAEGUS. (Hawthorn).</b>			
<b>Carrieri (Carrieri Hawthorn).</b>			
5 to 6 ft.....		3.00	27.50
6 to 7 ft.....		4.00	37.50
7 to 8 ft., 1 1/4 to 1 1/2 in. caliper.....		5.25	50.00
<b>Crusgalli (Cockspur Hawthorn).</b>			
6 to 7 ft.....		5.25	50.00
7 to 8 ft., 1 1/4 to 1 1/2 in. caliper B & B.....		10.00	....
<b>Mollis (Downy Hawthorn). 6 to 7 ft.....</b>			
7 to 8 ft., 1 1/4 to 1 1/2 in. caliper, B & B.....		4.00	37.50
8 to 9 ft., 1 1/2 to 1 3/4 in. caliper, B & B.....		8.75	....
10 to 12 ft., 1 3/4 to 2 in. caliper.....		10.00	....
<b>Oxyantha Splendens (Pauls Scarlet Hawthorn).</b>			
5 to 6 ft.....		4.50	42.50
<b>FRAXINUS Americana (American White Ash).</b>			
8 to 10 ft., 1 to 1 1/4 in. caliper.....		2.50	22.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		2.75	25.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		3.50	32.50
10 to 12 ft., 1 3/4 to 2 in. caliper.....		4.50	42.50

All our trees are nursery grown and are one or more times transplanted. All prices are subject to change without notice and are F. O. B. Nursery, Western Springs, Illinois.

Write for prices on  
Trees in larger  
sizes.



AMERICAN ELM, MOLINE TYPE

ORNAMENTAL AND SHADE TREES—Continued		Each	10
<b>GINKGO, Biloba. (Maidenhair Tree). 6 to 8 ft.....</b>			
6 to 8 ft., 1 to 1 1/4 in. caliper.....		\$3.50	\$32.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.00	37.50
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		5.00	47.50
<b>GLEDITSIA Triacanthos Inermis (Thornless Honey-</b>			
<b>locust). 8 to 10 ft., 1 to 1 1/4 in. caliper.....</b>		3.50	32.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.25	40.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		5.00	47.50
10 to 12 ft., 1 3/4 to 2 in. caliper.....		6.75	....
<b>MALUS (Flowering Crab Apples).</b>			
<b>Eleyi (Eley Crab).</b>			
5 to 6 ft.....		2.00	17.50
<b>Hopa (Rose Flowering Crab).</b>			
4 to 5 ft.....		2.00	17.50
<b>Ioensis Bechteli (Bechtel's Double Flowering Crab).</b>			
3 to 4 ft.....		2.15	20.00
4 to 5 ft.....		3.00	....
<b>Niedzwetskiana (Redvein Crab).</b>			
6 to 8 ft.....		3.50	32.50
<b>PRUNUS Blirieana (Blirieana Plum).</b>			
5 to 6 ft.....		2.75	....
<b>Thundercloud (Purpleleaf Plum). 4 to 5 ft.....</b>			
4 to 5 ft.....		2.50	....
<b>SORBUS Aucuparia (European Mountain Ash).</b>			
5 to 6 ft.....		2.50	22.50
8 to 10 ft.....		4.25	40.00
<b>TILIA Americana (American Linden).</b>			
8 to 10 ft., 1 to 1 1/4 in. caliper.....		3.00	27.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.25	40.00
<b>Cordata (Littleleaf European Linden).</b>			
8 to 10 ft., 1 to 1 1/4 in. caliper.....		3.00	27.50
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.25	40.00
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		5.25	50.00
12 to 14 ft., 1 3/4 to 2 in. caliper.....		6.00	57.50
14 to 16 ft., 2 to 2 1/4 in. caliper.....		7.00	....
<b>Platyphylas Pyramidalis (Pyramidal European Lin-</b>			
<b>den). 8 to 10 ft., 1 1/4 to 2 in. caliper.....</b>		7.50	70.00
2 to 2 1/4 in. caliper.....		8.50	80.00
2 1/4 to 2 1/2 in. caliper.....		10.00	....
<b>ULMUS Americana (American Elm) Americana Molinei</b>			
<b>(Moline Elm) Pumila (Chinese Elm).</b>			
<b>Prices of above varieties:</b>			
8 to 10 ft., 1 to 1 1/4 in. caliper.....		3.25	30.00
8 to 10 ft., 1 1/4 to 1 1/2 in. caliper.....		4.50	42.50
10 to 12 ft., 1 1/2 to 1 3/4 in. caliper.....		5.25	50.00
10 to 12 ft., 1 3/4 to 2 in. caliper.....		6.25	60.00
<b>Pumila Hedging Grade</b>			
2 to 3 ft. Seedlings.....	per 100	\$7.50	1.00

## Polyantha Forcing Roses

Price of the following: XXX grade per 10, \$7.50; per 100, \$68.00; per 250, \$165.00; per 500, \$320.00; per 1000, \$620.00; XX grade, per 10, \$6.50; per 100, \$58.00; per 250, \$140.00; per 500, \$270.00; per 1000, \$520.00.

Dick Koster. Flowers like Margo Koster, but rose-red in color.

Gloria Mundi. Double, lasting, glowing orange-scarlet in large clusters

Margo Koster. Dwarf bushy plants with clusters of unusual globe-shaped flowers of vivid orange, flushed coral-pink.

Triomphe Orleanais. Brilliant cherry-red, lasting in color; blooms profusely in trusses; vigorous and erect with bright glossy green foliage. Considered the finest of red Polyanthas

Ask for "Complete List of Roses," including the new patented varieties which will be ready in December.

Please Tell Us How To Ship. We Express Unless Otherwise Instructed. All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

# Vaughan's Evergreens

Prices listed, unless otherwise noted, include balling and burlapping. All our Evergreens are two or more times transplanted. All prices subject to change without notice, F. O. B. Western Springs, Ill., packing additional at cost.

	Each	10
<b>JUNIPERUS Chinensis (Chinese Juniper).</b>		
3 to 3½ ft.	\$5.25	\$50.00
3½ to 4 ft.	6.40	60.00
4 to 4½ ft.	7.50	70.00
4½ to 5 ft.	8.50	80.00
5 to 5½ ft.	9.50	90.00
<b>Chinensis Keteleeri (Keteleer Juniper).</b>		
3 to 3½ ft.	6.00	56.00
3½ to 4 ft.	7.50	70.00
4 to 4½ ft.	8.50	80.00
4½ to 5 ft.	10.00	95.00
5 to 5½ ft.	11.00	105.00
5½ to 8 ft.	20.00	...
8 to 9 ft.	22.50	...
<b>Chinensis Pfitzeriana (Pfitzer Juniper).</b>		
18 to 24 in. spread.	4.25	40.00
24 to 30 in. spread.	5.50	52.50
2½ to 3 ft. spread.	7.00	67.50
3 to 3½ ft. spread.	8.50	80.00
<b>Chinensis Pfitzeriana Upright (Upright Pfitzer Juniper).</b>		
These have been staked to give more height.		
3 to 3½ ft.	9.50	90.00
3½ to 4 ft.	11.75	110.00
4 to 4½ ft.	13.75	130.00
4½ to 5 ft.	17.50	...
5 to 5½ ft.	18.50	...
<b>Glaucia Hetzi (Blue Pfitzer Juniper).</b>		
18 to 24 in.	4.25	40.00
<b>Horizontalis Plumosa (Andorra Juniper).</b>		
15 to 18 in.	3.50	32.50
18 to 24 in.	4.25	40.00
24 to 30 in.	5.00	47.50
4 to 4½ ft.	8.50	80.00
<b>Sabina Vonehron. (Von Ehron Juniper).</b>		
3 to 3½ ft.	5.75	55.00
3½ to 4 ft.	6.50	62.50
4 to 4½ ft.	7.50	70.00
4½ to 5 ft.	9.50	90.00
<b>Sabina Vonehron—Upright.</b>		
4½ to 5 ft.	10.00	95.00
5 to 5½ ft.	11.50	110.00
<b>Virginiana (Redcedar).</b>		
5½ to 6 ft.	7.00	65.00
6 to 6½ ft.	8.00	75.00
<b>Virginiana Burki (Burk's Red Cedar).</b>		
5½ to 6 ft.	13.50	127.50
6 to 6½ ft.	15.00	...
6½ to 7 ft.	17.50	...
7 to 7½ ft.	20.00	...
<b>Virginiana Canaerti (Canaert Red Cedar).</b>		
4½ to 5 ft.	10.00	95.00
5 to 5½ ft.	11.75	110.00
5½ to 6 ft.	13.50	127.50
6 to 6½ ft.	15.00	...
6½ to 7 ft.	17.50	...
7 to 7½ ft.	20.00	...
<b>Virginiana Glaucia (Silver Red Cedar). A form of the Red Cedar with silvery tinged foliage.</b>		
4½ to 5 ft.	10.00	95.00
5 to 5½ ft.	11.75	110.00
5½ to 6 ft.	13.50	127.50
6 to 6½ ft.	15.00	...
6½ to 7 ft.	17.50	...
7 to 7½ ft.	20.00	...
<b>PICEA, Excelsa (Norway Spruce).</b>		
3 to 3½ ft.	4.25	40.00
3½ to 4 ft.	5.00	47.50
4 to 4½ ft.	6.00	55.00
4½ to 5 ft.	7.50	70.00
5 to 5½ ft.	8.50	...
5½ to 6 ft.	10.00	...
<b>Pungens (Colorado Green Spruce).</b>		
3 to 3½ ft.	6.00	55.00
3½ to 4 ft.	7.50	70.00
4 to 4½ ft.	8.50	...
4½ to 5 ft.	10.00	...
5 to 5½ ft.	12.50	...
<b>Pungens Glaucia (Colorado Blue Spruce).</b>		
2½ ft.	8.00	...
3 ft.	9.50	...
3½ ft.	11.50	...
4 ft.	14.00	...

<b>PINUS Montana Mughus (Mugho Pine).</b>	Each	10
18 in.	\$ 5.00	...
2 ft.	6.00	...
2½ ft.	7.00	...
<b>TAXUS Cuspidata (Japanese Yew)</b>		
18 in.	6.00	\$ 57.00
2 ft.	7.50	70.00
2½ ft.	9.50	90.00
3 ft.	12.50	120.00
3½ ft.	15.00	...
<b>Cuspidata Capitata (Upright Japanese Yew).</b>		
18 in.	5.75	55.00
2 ft.	6.50	60.00
2½ ft.	8.50	80.00
3 ft.	10.00	95.00
3½ ft.	13.50	...
4 ft.	17.50	...
4 ft. Specimen.	20.00	...
4½ ft.	25.00	...
5 ft. Specimen.	35.00	...
5½ ft. specimen.	40.00	...
<b>Cuspidata Nana (Dwarf Japanese Yew).</b>		
15 in.	5.25	50.00
18 in.	5.75	55.00
2 ft.	20.00	...
3 ft.	25.00	...
4 ft.	30.00	...
<b>Media Hicksi (Hick's Yew).</b>		
2 ft.	5.25	50.00
2½ ft.	7.00	65.00
4 ft.	13.50	130.00
4½ ft.	16.00	155.00
5 ft.	18.00	...
5½ ft.	22.00	...
<b>Media Kelseyi (Kelsey Yew).</b>		
2 ft.	7.50	72.50
2½ ft.	9.00	85.00
<b>THUJA Occidentalis Douglassi Pyramidalis (Douglas Pyramidal Arborvitae)</b>		
5½ to 6 ft.	8.75	85.00
6 to 6½ ft.	10.50	100.00
6½ to 7 ft.	12.00	110.00
<b>Occ. Globosa (Am. Globe Arborvitae).</b>		
24 in.	4.00	37.00
30 in.	4.50	42.50
36 in.	6.00	57.00
<b>Occ. Pyramidalis (Am. Pyramidal Arborvitae).</b>		
4½ to 5 ft.	6.50	62.50
5 to 5½ ft.	7.00	65.00
5½ to 6 ft.	8.00	75.00
6 to 6½ ft.	9.00	85.00
<b>Occ. Rosenthali (Rosenthal Arborvitae).</b>		
2½ to 3 ft.	6.00	57.50
3 to 3½ ft.	6.75	65.00
3½ to 4 ft.	7.75	72.50
4 to 4½ ft.	9.00	85.00
4½ to 5 ft.	9.50	90.00
5 to 5½ ft.	10.00	...
<b>Occ. Wareana (Ware Arborvitae).</b>		
2½ to 3 ft.	6.00	57.50
3 to 3½ ft.	6.75	65.00
3½ to 4 ft.	7.75	72.50
4 to 4½ ft.	9.00	85.00
4½ to 5 ft.	11.50	...
5 to 5½ ft.	12.50	...

All Evergreens personally selected and tagged in the Nursery will be charged for according to their value, usually 25% above catalog price.

Write for Prices on All Evergreens in Larger Sizes.

## Hardy Vines

	Each	10	100
<b>AMPELOPSIS Engelmani (Engelman's Ivy). 2 yr.</b>	\$0.50	\$4.00	\$35.00
Veitchii (Boston Ivy). 2 yr.	.60	4.50	40.00
<b>ARISTOLOCHIA Siphon (Dutchman's Pipe).</b>			
2 yr. grafted.	1.35	12.50	...
<b>BIGNONIA Mme. Galen. 2 yr. grafted.</b>	.85	7.50	...
Radicans (Trumpet Creeper). 2 yr.	.50	3.75	30.00
<b>CELASTRUS Scandens (American Bittersweet).</b>			
2-year.	.50	4.00	35.00
3-year.	.70	6.50	...
<b>CLEMATIS (Large Flowering) Henryi (Single white) Jackmani (single purple), and Mme. Ed. Andre (single red). 2 yr. No. 1.</b>	1.00	8.50	...
<b>HEDERA Helix Baltica (Hardy English Ivy). Pot grown plants.</b>	.60	4.00	35.00
<b>WISTARIA Frutescens (American Purple Wistaria)</b>			
2 year.	.70	6.00	...
Multijuga Rosea (Pink Wistaria). 2 year.	.90	7.50	...
Sinensis Alba (White Chinese Wistaria). 2 year.	.90	7.50	...

Please Tell Us How to Ship. We Express Unless Otherwise Instructed.

All Prices are F. O. B. Our Nurseries, Western Springs, Ill.

# Greenhouse Plant Department

## AFRICAN VIOLETS

### Saintpaulia

Double Duchess, 2 1/4 inch.....	100	\$25.00
Red Hed, 2 1/4 inch.....	25.00	
Orchid Beauty, 2 1/4 inch.....	25.00	
Sky Blue, 2 1/4 inch.....	25.00	
Blue Boy, 2 1/4 inch.....	25.00	
White Lady, 2 1/4 inch.....	25.00	
Blue Girl, 2 1/4 inch.....	25.00	

### AGERATUM

No RC orders less than 250

Cardinal Mundelein. Dwarf. Rooted Cuttings.....	\$2.25	\$20.00
Riverside Imp. Dwarf. Large head of bloom. Rooted Cuttings.....	2.25	20.00
Purple Beauty. Dwarf. Rooted Cuttings.....	2.25	20.00
2 1/4 in. on all the above.....	6.00	55.00

(500 at 1,000 rate)

### ASPARAGUS Plumosus Nanus or Sprengerii

Seedlings.....	100	1,000
2 1/4-inch.....	\$ 3.00	\$28.00
	10.00	95.00

### AZALEAS—Dormant Budded Stock

Shipping Date: September 15th - November 15th. F.O.B. Lebanon, Ohio  
Well grown, heavily budded stock, available only for early Fall shipments.  
Coral Bells, Hexe, Sweetheart Supreme, Pink Supreme, Gardenia Supreme, Pink Pearl, Md. Pericat, etc.

4 to 6 inch, each.....	\$0.60	8 to 10 inch, each.....	\$1.00
6 to 8 inch, each.....	.80	10 to 12 inch, each.....	1.35
Belgian Indicas-Own-Root, Jean Haerens, Vervaeneana, Vervaeneana Alba, Triomphe, Albert & Elizabeth			
6 to 8 inch, each.....	\$1.00	8 to 10 inch, each.....	\$1.50

### POTTED AZALEAS FOR CHRISTMAS FLOWERING

Through early potting and pre-cooling, we will have excellent Azaleas for Christmas flowering. All plants are well shaped and heavily budded. Shipping date, November 15th.

PRE-COOLED CORAL BELLS, EARLY RUTHERFORDIANAS	PRE-COOLED GRAFTED BELGIANS
5 inch, \$1.00 each; 6 inch, \$1.50 each; 7 inch, \$2.00 each.	5 inch, \$1.50 each; 6 inch, \$2.00 each; 7 inch, \$2.50 each.

### POT GROWN AZALEAS

Available December through April. Ready to bloom, same varieties as listed above. Order especially for Valentine Day and Easter.

KURUME AND PERICAT VARIETIES	GRAFTED BELGIANS
4 1/2 inch pots, each.....	5 inch pots, each.....
5 inch pots, each.....	6 inch pots, each.....
6 inch pots, each.....	7 inch pots, each.....
7 inch pots, each.....	

### CALADIUMS—Vaughan's Special Fancy-Leaved

CALADIUMS are easily grown but should not be put in a Carnation temperature. Start the bulbs in flats, turning them upside down, since this is a crown-rooting bulb and the roots come out around the top (center) eye. This direct contact with the growing medium produces roots more quickly than the opposite method. Use a mixture of one part leaf-mold, one part good garden loam, and one part peat moss or other coarse neutral material, throwing in a small amount of coarse charcoal or other rubble for drainage. Press the bulb halfway into the soil and place the flats under a bench. The flats can also be placed on top of the flows, but if this is done, they should be shaded. The temperature should be 80 to 85 degrees or higher, as the higher the temperature, the better starting results you will have. Be careful that the flats do not dry out if placed either on the flows or returns. Water sparingly until the bulbs begin to sprout and have roots 4 to 6 inches long. When the sprouts begin to show, place the bulbs in 5 or 6-inch pots, using a good rich leaf-mold. Water copiously when in full growth and use weak liquid manure once weekly if possible.

### NAMED VARIETIES OR ASSORTED

	Doz.	100	1,000
No. 2 Size 1 inch - 1 1/2 inch.....	\$2.50	\$14.00	\$135.00
No. 1 Size 1 1/2 inch - 2 1/2 inch.....	3.00	24.00	225.00
Jumbo 2 1/2 inch - 3 1/2 inch.....	4.00	32.00	300.00
Mammoth 3 1/2 inch and Up.....	6.00	47.50	450.00

### CANNAS

Dormant Roots ready for February 1st, 1952.

City of Portland, 3 1/2 ft. Compact, luxuriant, dwarf growth. Leaves green. Flowers rosy pink.....	100	1,000
Dorothy S. A new dwarf, continuous flowering, clear salmon red canna. A sport of President. Produces large flowers and grows 4 ft. tall. Very vigorous and drought-resistant.....	8.00	70.00
King Humbert. 4 ft. scarlet flowers, bronze leaves, greatest favorite to day.....	6.00	55.00
Yellow King Humbert. 4 ft. An orchid flowering sport of the well known variety King Humbert.....	6.00	55.00
The President. 4 ft. In color a rich glowing scarlet with immense rounded flowers 7" across when fully open, produced on strong, erect stems well above the large green foliage.....	6.00	55.00
Hungaria. 3 1/2 ft. Very compact, almost dwarf, and of luxuriant growth. Leaves bluish green, never burn. Flowers LaFrance pink.....	6.00	55.00

## CHRISTMAS BEGONIAS

Lady Mac, Marjorie Gibbs and Melior. 2 1/4-inch.....	100	1,000
Lady Mac, Marjorie Gibbs and Melior. 3-inch.....	\$36.00	
	50.00	

BEGONIAS Standard Varieties. 2 1/4-inch.....	10.00	\$95.00
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## CARNATIONS—ROOTED CUTTINGS

WHITE	Price Per 100 1,000	RED	Price Per 100 1,000
Mercury.....	\$15.00 \$125.00	C. W. Weld.....	\$12.00 \$100.00
Northland.....	12.00 100.00	Crimson Sphinx.....	20.00 150.00
Olivette.....	10.00 90.00	Jumbo Cardinal R.....	15.00 125.00
Shangri-La.....	15.00 125.00	No 14 Crimson.....	15.00 125.00
White Sim P.....	20.00 150.00	No 16 Red.....	15.00 125.00
LIGHT PINK		Papa Red Bird R.....	20.00 150.00
Hercules Virginia.....	15.00 125.00	Red Beauty R.....	20.00 150.00
Netta.....	15.00 125.00	Seth Parker P.....	20.00 150.00
Pink Sim R.....	20.00 150.00	Tom Knipe P.....	20.00 150.00
Portland Pink R.....	20.00 150.00	Topper R.....	22.00 180.00
Princess Elizabeth.....	20.00 150.00	Victory Red.....	12.00 100.00
Princess Irene.....	15.00 125.00	Wm Sim P.....	20.00 150.00
Regal Pink R.....	20.00 150.00		
Virginia.....	10.00 90.00		
Virginia Supreme.....	12.00 100.00		

### SALMON PINK

Excellence R.....	25.00	200.00
Janie R.....	22.00	180.00
Lexington R.....	20.00	150.00
Salmon Virginia.....	10.00	90.00

### MEDIUM PINK

Citation R.....	20.00	150.00
Peter Fisher.....	10.00	90.00
Pink Lady R.....	20.00	150.00
Pink Mercury.....	15.00	125.00
Rosalie.....	20.00	150.00
Spicy Rose.....	20.00	150.00
Virginia Irwin.....	15.00	125.00
Virginia Rose.....	10.00	90.00

### DARK PINK

Dk. Pink Virginia.....	15.00	125.00
Kentucky R.....	20.00	150.00
Sidney Littlefield R.....	20.00	150.00
Virginia Miller.....	12.00	100.00
Waltham Pink R.....	20.00	150.00

### MISCELLANEOUS

Baby Bronze R.....	20.00	150.00
Barbara Brigham.....	10.00	90.00
Bing Crosby R.....	20.00	150.00
Butterscotch R.....	20.00	150.00
Frosted Pat.....	10.00	90.00
Harlequin.....	15.00	125.00
Mary Stuart.....	20.00	150.00
Millers Yellow.....	12.00	100.00
Mrs. Bradford R.....	20.00	150.00
Mrs. E. F. Guba R.....	20.00	150.00
Olmost Orange P.....	12.00	100.00
Pattens Yellow R.....	20.00	150.00
Pelargonium.....	15.00	125.00
Raspberry Ice R.....	20.00	150.00
Reina.....	15.00	125.00
Sarah Jane Knipe P.....	20.00	150.00
Scarlet King.....	15.00	125.00
Sphinx.....	20.00	150.00
Starlite.....	15.00	125.00
Symphony P.....	20.00	150.00
Valentine R.....	20.00	150.00

P—Patented R—Restricted.

## MINIMUM ORDER 100 CUTTINGS OF ONE VARIETY

250 At The 1,000 Rate

Sorry we can accept no orders specifying delivery date. All orders will be shipped in rotation, in the order in which they are received

## DISEASE-FREE CARNATION ROOTED CUTTINGS

Rooted cuttings of 14 varieties of Carnations, taken from isolated Mother Stocks grown from seed, and maintained under every protection from disease that modern science affords, will be available in early 1952

So far as human agency can insure, these cuttings will come to you free from any virus, bacterial or fungous disease; and they will give the careful grower a clean start. By continuing the programme of protection, they should be made to yield superior results.

This is an important step forward toward the goal of eliminating the diseases that plague carnation growers, and if results prove its effectiveness, it offers a solution of that problem, but it should be understood that disease-free are not necessarily disease-resistant, or immune, and should not be subjected to unsanitary treatment or handling. They require the same precautionary methods which are necessary in handling ordinary commercial stocks or varieties

Our price schedule for 1952 is as follows:	Per 100
50 of a variety.....	\$18.00
100-250.....	17.10
300-450.....	16.20
500-950.....	15.30
1000-2450.....	14.40
2500 Up.....	13.50

1. Apollo (No. 293). Should become the leading salmon-pink. Grows well everywhere, a good summer flower, larger than Netta
2. Aphrodite (No. 66). The clear light pink retailers demand; outer petals bleach slightly late spring and early fall. Needs plenty of light to do its best.
3. Diana (No. 362). A high producing light pink similar to the Fischer varieties.
4. Venus (No. 366). A show variety with superlative salmon-pink flowers on long stems. Not too heavy a producer.
5. Jupiter (No. 417). A large white that will compete with Northland. Exceptionally good in the Middle West
6. Aurora (No. 684). A large white, best in late spring and early fall. Production somewhat limited.
7. Adonis (No. 33). A good winter production white.
8. Midas (No. 443). A substitute for Miller's yellow with excellent production
9. Minerva (No. 262). Unusual deep scarlet-pink. May fade with high light intensity, but does so uniformly. Heavy break-back. Good keeper.
10. Ceres (No. 51). Fair size December to May; small the rest of the year. Beautiful King Cardinal color and really high production. Early, with a heavy comeback.
11. Neptune (No. 225). A scarlet like Wm Sim. Free breaker, fine stretch; a very satisfactory variety
12. Vulcan (No. 688). A fine crimson or maroon flower. Excellent keeper, good comeback. Should supersede all others in this class.
13. Saturn (No. 317). Novelty warm bronze variegated; color striking under artificial light.
14. Orion (No. 518). Color like Glowing Ember; excellent grower and producer

# Greenhouse Plant Department—Continued

CALCEOLARIA. Seedling Type. Multiflora Nana and Triumph.....	100	1,000
Grown from Cuttings. Mary Louise, Pure Flame, Stewart, Rosacker's Brilliant, Golden Talisman and Cherry Queen.....	20.00	.....
CINERARIAS. Cremer's Prize Mixture and Siter's Strain. 2 1/4 inch.....	10.00	\$95.00
COLEUS. Standard varieties, 2 1/4 inches. (500 at 1,000 rate on all of above).....	6.00	55.00
CYCLAMEN. Standard Varieties. 3 inch.....	35.00	335.00
DAISIES. Yellow, rooted cuttings.....	4.00	37.50
Nicholson's White, rooted cuttings.....	4.00	37.50
2 1/4 in. size on both of above.....	9.00	85.00
FUCHSIAS. Black Prince, Dwarf Double Purple, Little Beauty. 2 1/4 inch.....	10.00	100.00

## GERANIUMS

Better Times, Imp. Mme. Landry, Irvington Beauty, Per 25		
Brooks Red, Olympic, Pink Fiat, Red Fiat, Ricard, Wyona, Radio Red, Lorelei, Poitevine, Buchner. 2 1/4 in.....	100	\$5.00 \$12.50

## DECORATIVE PLANTS

	Doz.	100
Aralia Elegantissima, 4 inch.....	\$18.00	\$
Aralia Elegantissima, 3 inch, ready Nov. 1st.....	15.00	100.00
Dieffenbachia Braziliensis, 2 1/2 inch.....	4.00	30.00
Chinese Evergreen, 2 1/4 inch.....	3.40	25.00
Chinese Evergreen, 2 1/2 inch.....	4.60	35.00
Chinese Evergreen, 3 inch.....	7.00	50.00
Chinese Evergreen, 4 inch.....	10.00	.....
Chamaedorea Elegans (Palm), 2 1/4 inch, fine for dish gardens.....	3.40	25.00
Crotons, large leaf varieties, 2 1/4 inch.....	4.00	30.00
Crotons, large leaf varieties, 3 inch.....	7.00	50.00
Dracena Sanderiana, 2 1/4 inch.....	3.40	25.00
Dracena Godsefiana, 2 1/4 inch.....	3.40	25.00
Nepthytus Rutenschroer's Tri-Leaf Wonder, 2 1/4 inch.....	3.40	25.00
Nepthytus Rutenschroer's Tri-Leaf Wonder, 4 inch.....	15.00	100.00
Nepthytus Liberica, 2 1/4 inch.....	1.40	10.00
Syngonium Variegated, 2 1/4 inch.....	3.40	25.00
Sansevieria Laurenti, 3 inch.....	5.50	40.00
Sansevieria Zeylanica, 2 1/4 inch.....	1.40	10.00
Sansevieria Hahnii (rosette), 2 1/4 inch.....	2.20	15.00
Philodendron Cordatum, 2 1/4 inch.....	2.20	15.00
Philodendron Cordatum on cork, 7 inch.....	30.00	.....
Philodendron Dubia, 5 inch.....	18.00	.....
Philodendron Scindap-us Pictus (Silver Leaf), 2 1/4 inch.....	4.60	35.00
Pothos Wilcoxii, 2 1/4 inch.....	2.20	15.00
Pothos Aurea, 2 1/4 inch.....	2.20	15.00
Pothos Marble Leaf, 2 1/4 inch.....	4.60	35.00
Rhoeo discolor (Moses in the Bulrushes), 2 1/2 inch.....	3.40	25.00
Peperomia Obtusifolia, 2 1/4 inch.....	1.40	10.00
Peperomia Obtusifolia Variegated, 2 1/4 inch.....	2.50	17.50
Peperomia Sandersii, 2 1/4 inch.....	2.20	15.00
Peperomia Scandes, 2 1/4 inch (new).....	3.00	20.00
Pellonia, fine for dish gardens, 2 1/4 inch.....	2.20	15.00
Ivy Curlilocks, 2 1/4 inch.....	3.00	20.00
Ivy Hahn's New Variegated, 2 1/2 inch.....	3.40	25.00
Ivy Self Branching, 2 1/4 inch.....	1.40	10.00
Ivy Self Branching, 3 inch, bushy plants.....	3.40	25.00
Ivy English Broad Leaf, 2 1/4 inch.....	7.00	.....
Ivy Grape (Vitis Rhombifolia), 2 1/4 inch.....	11.00	.....
Hoya Carnosa Variegata, 2 1/4 inch.....	4.60	35.00
Taxus, 2 1/4 inch, assorted varieties.....	15.00	.....

The purchase of 25 of a variety earns the one hundred rate.

## HYDRANGEAS—Pot Grown

Fall delivery, 1951, f.o.b. Shipping Point. Short heavy canes. Grown and cured right for early forcing. Altona, Europa, Hamburg, Gertrude Glahn, Kuhnert, Regula, Merville and Strafford. Each.....	\$0.35
Single cane, 4 inch.....	.50
Two cane, 5 inch.....	.65
Three cane, 5 inch.....	.80
Four cane, 5 inch.....	1.00 and 1.25
Larger plants at.....	

## ALL PRICES PER 100 PLANTS ON THE FOLLOWING: NEW INTRODUCTIONS

Charm, Charming, Dixie, Drapes Pink, Dundalk, Rose Supreme, Southland, Spring Time, "Joan merritt". R. C. \$25.00; 2-in., \$35.00; 3-in., \$50.00; 4-in., \$60.00; 5-in., \$70.00; 6-in., \$90.00; 7-in., \$150.00; 8-in., \$300.00.

### NOVELTIES

"bobby merritt", "jean merritt", Caprice, Engel's White, Strafford. R. C., \$16.00; 2-in., \$25.00; 3-in., \$30.00; 4-in., \$50.00; 5-in., \$60.00; 6-in., \$80.00; 7-in., \$125.00; 8-in., \$250.00.

### RECENT INTRODUCTIONS

Altona, Europa, Hamburg, Kuhnert, Merville, Regula, Rosabelle. R. C., \$14.00; 2-in., \$20.00; 3-in., \$25.00; 4-in., \$45.00; 5-in., \$55.00; 6-in., \$80.00; 7-in., \$100.00; 8-in., \$250.00.

### STANDARD VARIETIES

Gertrude Glahn, Niedersachsen. R. C., \$8.00; 2-in., \$12.00; 3-in., \$20.00; 4-in., \$40.00; 5-in., \$50.00; 6-in., \$75.00; 7-in., \$90.00; 8-in., \$200.00.

### OUR SELECTION OF VARIETIES

Billed according to varieties shipped

Order rooted cuttings and 2-in. Hydrangeas now, for Spring Delivery 1952

LANTANAS. All the best colors 2 1/4 ins.....	100	1,000
PETUNIA. Colossal double, pink shades, 2 1/4 in.....	\$9.00	\$85.00
	10.00	95.00

## PELARGONIUMS

Azalea.....	Lavender Queen.....	Mrs. Mary Bard.....
Edith North.....	Mrs. Laval.....	Giant Venus.....
Orchid Edith North.....	Marie Vogel.....	Mrs. F. Bachler.....
Springtime.....	Grossmama Fischer.....	Pink Vogel.....
Easter Greeting.....	Salmon Springtime.....	Edith Cavell.....
Lucy Becker.....	Santa Monica.....	MacKay No. 2.....
German Glory.....	Ruth W. McAfee.....	MacKay No. 10.....
Gardener's Joy.....	Beverly Hills.....	MacKay No. 12.....

Size	Per Dozen	Per 100	Per 1,000
2 1/4 inch.....	\$2.90	\$20.00	\$190.00
3 inch.....	3.70	27.00	260.00

## PRIMULA

Malacoides seedlings.....	100	1,000
Malacoides 2 1/4 in.....	\$ 5.00	\$47.50
Obconica 2 1/4 in.....	10.00	95.00
	10.00	95.00

VERBENA. Schlosser's Pride, Schlosser's Rose, Scarlet King, Mayflower, Helen Wilmott, Royal Purple, Beauty of Oxford, cerise, Beauty of Oxford, pink, Beauty of Oxford, scarlet, Beauty of Oxford, lavender, Gigantea Alba.

Rooted Cuttings.....	3.00	27.50
2 1/4 inches.....	6.50	60.00

(500 at 1,000 rate.)

## POINSETTIA STOCK-PLANT PRICE LIST FOR 1952

BARBARA ECKE SUPREME. Patented variety sold under patent restrictions. Superior to all other poinsettias on the market and will definitely be the leading pot-plant variety. Because of the limited supply of larger sizes we reserve the right to prorate this variety if necessary.

	100		100
No 1.....	\$150.00	No 3.....	\$90.00
No 2.....	120.00	No 4.....	60.00

IMPROVED ALBERT ECKE VARIETY. This is an improved selection of the Albert Ecke, having somewhat brighter and larger bracts, and is the outstanding commercial poinsettia. All plants in the pan make perfect bracts. This type has been thoroughly tested and will give the most satisfactory results.

	100		100
Jumbo.....	\$120.00	No 3.....	\$80.00
No 1.....	100.00	No 4.....	60.00
		No 5.....	40.00

INDIANAPOLIS RED. A very fine short, slow-growing variety, with wide petals. It takes more time for the Stock Plants to break and longer for the cuttings to root than any other variety. However, cuttings can be taken from one to two weeks later and still make perfect bracts.

	100		100
Jumbo.....	\$150.00	No 3.....	\$60.00
No 1.....	120.00	No 4.....	40.00
No 2.....	90.00	No 5.....	30.00

ALBERT ECKE. The leading commercial variety grown by the best Pot Plant Growers in the most competitive areas.

ECKE'S WHITE. Gaining in popularity annually. Produces clear white bracts as large as the Oak Leaf, and matures at the same time. Exceptionally fine for specimen plants and for mixed pans of red and white together.

	100		100
Jumbo.....	\$100.00	No 3.....	\$50.00
No 1.....	80.00	No 4.....	35.00
No 2.....	60.00	No 5.....	25.00

MRS. PAUL ECKE, OAK LEAF, RUTH ECKE, DOUBLE HENRIETTE ECKE, PINK AND ST. LOUIS

	100		100
Jumbo.....	\$100.00	No 3.....	\$35.00
No 1.....	75.00	No 4.....	25.00
No 2.....	50.00		

The above prices are F.O.B. Eastern Cities, C/O Forwarding Agency, on orders PLACED NOW for April 1952 delivery. ON ORDERS PLACED AFTER JANUARY 1st, A TEN PERCENT PACKING CHARGE WILL BE MADE.

VINCA. Variegata 2 1/4 in..... \$10.00 \$95.00

Ask for quotation on Perennials, Achyranthus, Dusty Miller, Ferns, Cactus, Dish Garden Plants, Snapdragon, and other items not listed herein.

Prices are F.O.B. Shipping Point.

We assume no transportation risk after shipping in good order. Should goods arrive in bad order, we would suggest that they be accepted under protest, and complaint filed against carrier.

Soft plants are not shipped to distant points by freight.

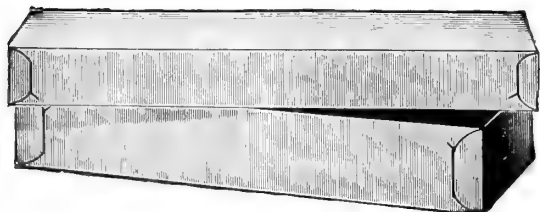
Billing—50 of any one variety at the 100 rate; 250 at the 1000 rate, except as noted. Packing will be charged on all orders at cost.

No C. O. D. Shipments.

All Foregoing Prices Subject To Change Without Notice.

# Supplies for the Florist Shop

## CUT FLOWER BOXES



**Cut Flower Boxes Mist Green.** Shallow covers. 2 piece box, wide creases, die cut corners, water-proofed green tint on inside. Sturdy flower boxboard. Wrapped 50 complete to a bundle.

24x5x3 1/2".....per 100, \$10.50	36x8x5".....per 100, \$22.00
30x5x3 1/2".....per 100, \$12.25	42x8x5".....per 100, \$30.00
28x8x5".....per 100, \$16.50	

**Corsage Boxes Mist Green.** Shallow covers.

9x5x4".....per 100, \$6.25	12x5x4".....per 100, \$7.20
10x6x5 1/2", per 100, \$7.95	

Design and Bouquet Boxes Mist Green.	Full Telescope Lid	Shallow Lid
24x14x8", per bundle of 50	\$20.75	\$17.35
30x14x8", per bundle of 50	\$21.75	18.00
36x14x8", per bundle of 50	\$24.00	20.00

5% discount on orders for 500 or more.

Printing at \$4.50 per 1000 or less for one color ink. Write for prices on white glazed boxes. They are made from coated board but have a laminated sheet of high gloss paper.



**CARNATION PACK.** Your carnations deserve proper packing. Price 1,000, \$32.50; 5,000 for \$152.50; 10,000 for \$285.00; 50,000 for \$1287.50. Sold only in original cartons of a full 1,000. Printing 1 color \$3.75 per 1,000 extra. 10,000 or more printed 1 color free.



CELLOPHANE BAGS

Most popular sizes for corsage use No. 300 moisture proof and regular square top.

Packing per Carton	Weight	Price per 1,000
4" x 2 1/4" x 9".....1000	10 Lbs.	\$11.25
5 1/2" x 3 1/4" x 12".....1000	16 Lbs.	17.75
5" x 5" x 14 3/4".....1000	22 Lbs.	27.50

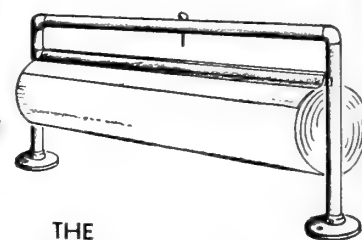
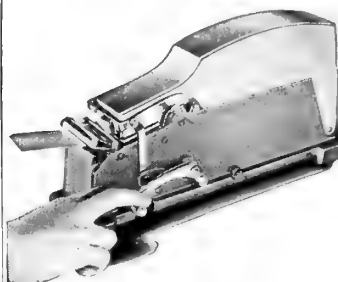
We do not break cartons.



**Florist-Foil.** Colored aluminum foil used for pot covers, etc. Rolls 20 inches wide. Colors, violet, silver, gold, green, red, purple, fuchsia, pastelgreen, pastel blue, black and blue. Per 50-ft. roll, \$1.45; 10 rolls for \$13.50.

**Polka Dot Embossed Florist Foil.** In all colors. Rolls 20 inches wide, 50 feet long, each, \$1.60, 10 rolls, \$15.00.

**PAPER CUTTERS CLIPPER TYPE.** One of the finest paper cutters made. 24" each, \$6.25; 30" or 36", \$6.50 each.



THE  
CLIPPER

**AUTOMATIC PACKAGE SEALER.** Simplex Model 10. Equipped with Automatic Pressure Control. Fast, easy, all-automatic action. A touch of the fingertips on the featherweight control lever automatically feeds, moistens, cuts off and delivers the tape strip-instantly. No sticky fingers, no splashing water to soil the package. Tape is conditioned to grab fast and hold securely to produce a smooth, neat, safe seal. Attractive in appearance and quiet in performance. Price, \$21.90.

**GUMMED TAPE.** 1 1/2 inch wide; 500 ft. to roll. 10 rolls for \$6.00; bundle of 20 rolls, \$10.25.

## PAPER—WRAPPING, TISSUE, WAX

**FLORIST WRAPPING PAPER.** Green Say It With Flowers. Distinctive wrapping paper created for exclusive use of florists. Its extra strength and pliability insure neat appearing packages. The rich two-tone floral background and distinctive floral slogan makes every package wrapped in Floral Wrap an attractive package. Price per lb. 29c; 5 roll lots, 28c lb.

24" roll weighs approximately 35 lbs. 30" roll weighs approximately 47 lbs. 36" roll weighs approximately 57 lbs.

**BROWN KRAFT WRAPPING PAPER.** In rolls 24 inch, 30 inch and 36 inch. Price per lb., 18c.

Prices on Paper Subject to Market Changes.

**Pure White Glazed Florist Tissue.** The best grade white glazed 11 lb. basis. 24x36 inches, F. O. B. Chicago, ream (480 sheets), \$3.50; 10 reams (4,800 sheets), \$33.50; F. O. B. New York, ream (480 sheets), \$3.35; 10 reams (4,800 sheets), \$32.50.

**White Wax.** Medium, 24x36 inches; F. O. B. Chicago, 480 sheets, \$3.75; F. O. B. New York, 480 sheets, \$4.00.

**Green Wax.** Beautiful shade light green, 24x36 inches, F. O. B. Chicago, 480 sheets, \$3.95; F. O. B. New York, 480 sheets, \$4.25.

**Green Wax Tissue Rolls 3'.** Handy wax tissue for all types of wire designs. Prices per box of 12 rolls, \$3.60.



**Waterproof Crepe Paper.** In green, pink, lavender, yellow, purple; per roll, 50c; 12 rolls for \$5.04; 50 rolls for \$19.75.





**Scotch Cellulose Tape Trans-**  
parent  $\frac{1}{2}$  wide x 2592 inches, price  
per roll, \$1.64; 12 rolls at \$1.48 per  
roll; 48 rolls per roll, \$1.32.

**Scotch Cellulose Tape Dispenser.**  
Desk size, each, \$1.70; heavy duty,  
each, \$2.50; weight, 8 lbs.

**Colored Scotch Cellulose Tape**  $\frac{1}{2}$   
inch wide x 2592 inches. Per roll,  
\$1.95; 6 rolls, per roll \$1.78. Avail-  
able in the following colors: Red,  
Blue, Green, Orange, Yellow, White  
and Silver.

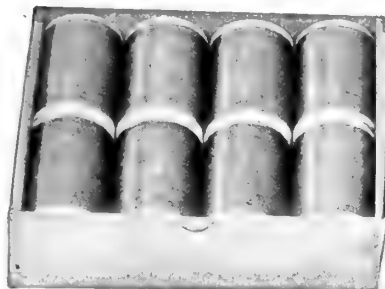
**TWINE "The Queen" White Cotton Twine.** 3 or 4-ply. Put up  
in 5-lb. sacks, 30 balls to a sack, \$5.25.

Write or prices on larger quantities.

**Florists' Thread, Green.**

Best brand. Similar to  
Silkline, 8 spools to a  
box. Per lb. box, \$1.75;  
10 boxes for \$16.00.

**Green Twine.** Used for  
wrapping small packages  
—also for spray and  
design work. Put up in  
balls 1-lb.  
box, \$1.45,  
5 boxes at  
\$1.40 per  
box.



**Green Twine.** 2 lbs., per cone, \$2.85; 3 cones  
for \$8.25.

**HYACINTH STAKES (Matchsticks)**

**Green.** 12 in. per 1,000, \$4.00; per  
case of 6,000, \$23.40. 15 in. per 1,000,  
\$4.35; per  
case of 6,000,  
\$25.40. 18 in.  
per 1,000,  
\$4.70; per  
case of 6,000,  
\$26.70.



**WIRED PICKS.**

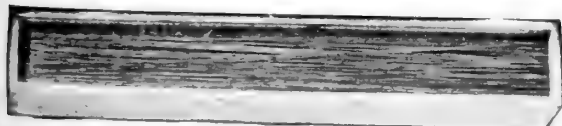
2 $\frac{1}{2}$ -inch Plain, case of 50,000, \$20.95.....Box of 10,000 \$4.30  
3 -inch Green, case of 40,000, 27.95.....Box of 8,000 5.95  
4 -inch Green, case of 10,000, 10.75.....Box of 4,500 5.45  
6 -inch Green, case of 10,000, 13.95.....Box of 3,000 4.30

**UNWIRED PICKS.**

4-inch Green.....Box of 4,000 \$2.40  
6-inch Green.....Box of 3,000 2.40

**GREEN ENAMELED FLORIST CUT WIRE.** 18 inch lengths,  
12 lbs. to a box.

Gauge	Per box	Case of 6 boxes	Gauge	Per box	Case of 6 boxes.
18	\$3.15	\$18.60	22	3.75	21.90
20	3.40	19.80	24	4.50	26.10
21	3.50	20.80	26	5.30	31.20



**WIRE.** (Prices subject to change).  
**Florist Wire on 12-lb. coils.**

No. 18.....	\$2.15
No. 20.....	2.45
No. 22.....	2.75
No. 24.....	3.30
No. 26.....	3.80
No. 28.....	4.70

**FLORISTS' CUT WIRE.** Clean,  
extra soft white wire, cut in 12 or  
18-inch lengths, 12 lbs. to box.

No. 18 20	21	22	24	26
\$2.20	\$2.55	\$2.65	\$2.85	\$3.30

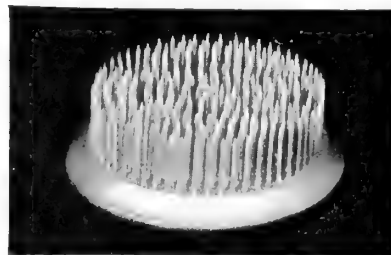
**GALVANIZED BENCH WIRE.** Used for stringing benches in Car-  
nation and Rose houses. No. 14, 100-lb. coil, \$13.75. No. 16,  
100-lb. coil, \$14.75. No. 18, 100-lb. coil, \$16.75. minimum order  
50 lbs.

**PIN FLOWER  
HOLDERS**

Solid Brass Needle pointed  
nails

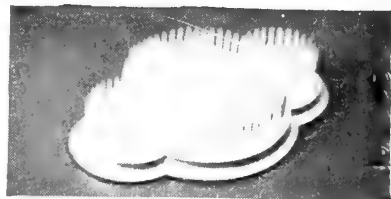
Closely cast in heavy lead  
alloy base. Guaranteed not  
to rust. Sprayed with  
aluminum metallic paint.

Size of Base	Price
No. Round Style Per Doz.	
25-R 1 $\frac{3}{4}$ "	\$2.10
40-R 2 $\frac{3}{8}$ "	3.80
50-R 2 $\frac{5}{8}$ "	4.50
80-R 3"	6.50
100-R 3 $\frac{1}{2}$ "	7.95



**Three-in-one  
Oval style**

60-O 2 $\frac{1}{4}$ "x3 $\frac{1}{2}$ "	\$5.20
75-O 2 $\frac{1}{2}$ "x3 $\frac{7}{8}$ "	6.35
150-O 3 $\frac{3}{8}$ "x5"	11.95



**STRING-KING WIRE GREENHOUSE  
MAGIC.** Time and labor saver. Will lay wire  
over an entire bench in 20 minutes. Lightweight,  
easily carried from bench to bench. Saves as much  
as two hours time on every bench where wire is  
strung. Write for literature and instructive  
bulletin. Price each, \$28.50

**AQUA PIN.** Plastic, heart shaped vase. Per box  
of 3 dozen, \$4.50; per gross, \$17.00.



**BULL DOG CLIPS.** The clip with the grip. Per  
box of 1,000 clips, 75c; 10 boxes for \$7.00

Prices Subject to Change Without Notice.



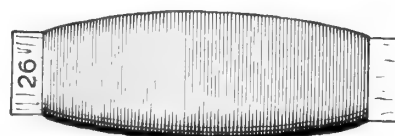
**FERN PIN.** New Philly.

The bend holds the  
leaves firmly; easier to  
handle. Per box, \$3.75.

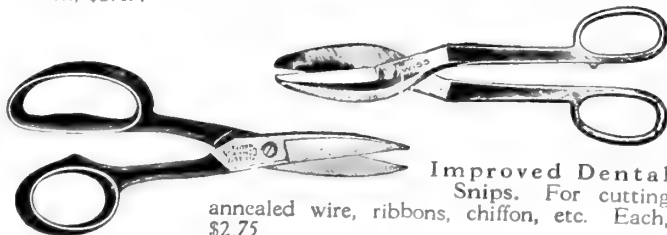


**MALINS EXTRA SOFT  
FLORAL BINDING  
WIRE.**

These sticks fit the  
hand. Handy for tying  
sprays, bunting, wreaths,  
etc. Put up in boxes of 20-14 lb. sticks, total weight per box 5 lbs.  
#22, \$2.35 per box; #24, \$2.75 per box; #26, \$3.10 per box; #28,  
\$3.75 per box; #32, \$4.65 per box and #36, \$6.60 per box.



**FLORISTS' SNIPS** (Especially suitable for cutting wire, etc.)  
Each, \$2.45.



**Improved Dental  
Snips.** For cutting  
annealed wire, ribbons, chiffon, etc. Each,  
\$2.75.

**WHITE WOOD ROUND BEADED EASELS.** Pre-war style and quality, white wood, round beaded, enameled. Not nailed, put together with screws. Packed 12 to a carton. Packing cost, 85c per carton.

Height	Price Doz
36 inch.....	\$ 8.65
42 inch.....	10.40
48 inch.....	11.80
54 inch.....	13.00
60 inch.....	14.20
66 inch.....	14.80
72 inch.....	15.40

*Feather*

**GOLD SCRIPT WORDS.** Gold finish. In the following inscriptions: Mother, Father, Brother, Sister, Asleep, etc.; ten words in package. Price, per package of 10 words, 15c; per 100 words, \$1.40; per 1,000 words, \$12.00.

**GILT RIBBON LETTERS.** Gummed. 25 letters in a package in letters A to Z, figures 1 to 9. 1 1/4 in. Per 100, 25c; per 1,000, \$2.10.

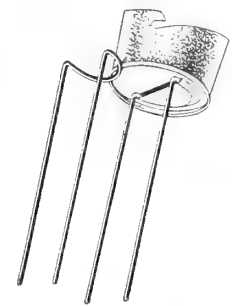
### FLORIST CARDS FOR ALL OCCASIONS

Sympathy, get-well, birthday, baby, congratulations, and all holidays. Your own selection. Packed in packages of 25 of one style.

### CARDS WITHOUT CABINET.

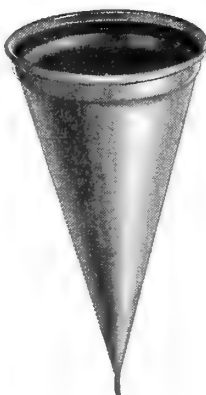
250 assorted at.....	\$1.50	1000 assorted at.....	\$3.95
500 " ".....	2.50	2000 " ".....	7.25

**WHITE ENVELOPES, PLAIN.** Size 2 1/2 x 4 1/4", packed 250 to a box. 250 for \$1.25, 500 for \$2.35, 1,000 for \$4.50.



### FLAT BOTTOM CEMETERY VASE No. 2A

Detachable stem. Packed 3 doz. to carton. Price per carton, \$4.80; gross, \$18.00. Weight per carton, 11 lbs.



### CONE SHAPED CEMETERY VASE No. 4

9 1/2 in. deep, 5 in. in diameter at top. Stem or spike is 3 in. long, made of No. 9 gauge steel. Packed 3 doz. to carton, price per carton, \$4.80; per gross, \$18.00. Weight per carton, 12 lbs.

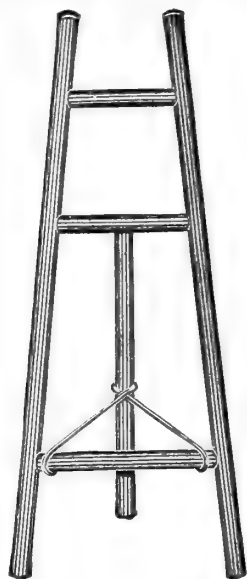
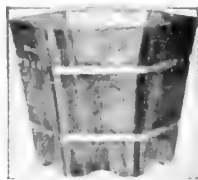


**FLOWER TUBS "Richmond Style".** These are made of finest fir lumber, securely bound with welded wire hoops. They are nicely painted green, paint of best oils. Florists will find them ready sellers where a substantial yet attractive tub of moderate price is required. Prices F. O. B. Chicago. Prices subject to change without notice.

Inside top Diameter	Depth Inside	Price Each	Per Doz
7 in.....	6 in.	\$1.10	\$12.00
8 in.....	8 in.	1.20	13.20
10 in.....	9 in.	1.55	17.40
12 in.....	11 in.	2.10	23.40
14 in.....	13 in.	2.85	33.00
16 in.....	15 in.	3.50	39.60

**Beautiful California Plantubs made of Redwood.** For utility and beauty in any garden, impregnated with linseed oil to preserve natural beauty of wood. Rounded top and bottom edges to prevent splintering. Made of well seasoned California redwood. Bound with brass bands. Ventilation under tub. Grooved handles.

Size	Price
No. 1—12 in.	\$3.50 ea. 6 for \$18.00
No. 2—14 in.	\$4.75 ea. 6 for \$25.50
No. 3—16 in.	\$6.25 ea. 6 for \$31.50
No. 4—18 in.	\$6.65 ea. 6 for \$34.20
No. 5—20 in.	\$7.50 ea. 6 for \$37.50



## JARDIERS, VASES, BOXES

**Jardier Pot Covers.** Popularize the potted plant—because they safeguard the appointments of the finest homes—table tops, linens, window sills—from soilage and overflowing saucers. These are inexpensive, yet take the place in beauty and service of expensive jardinières. Save time and labor over other methods of trim.

## PAPER MACHE CONTAINERS



**No. 600 Wedgewood.** Top opening 10 1/2 inch x 4 1/4 inch at ends, 6 1/4 inch at center. Depth 7 inches. Wide base assures stability. Wide curved ends prevent kinking and breaking stems. Very strong, 30 in. carton. **White or green,** \$8.25 per carton.

**No. 800 Fantasy.** Top 10 1/2 inches x 4 1/4 inches at ends, 5 3/4 inches at center. Depth, 10 inches. Attractive fantasy vase with exclusive features. Embossed panels form rectangular corners inside which prevent stems from shifting. Wide flat bottom and weighted base, 12 to carton. **White or green,** per carton \$5.00.

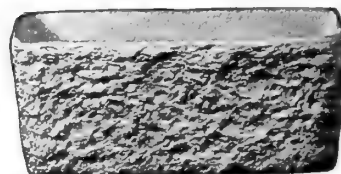
## JARDIERS FOR STANDARD SIZE POTS

In Imitation of Pottery—Stucco Effect				
Sizes	Diam. Top Inside	No. Per Carton	Price Per 100	
No. 4.....	5 1/2 in.	100	8.30	White
No. 5.....	6 1/4 in.	80	11.00	Green
No. 6.....	7 1/4 in.	50	14.00	
No. 7.....	8 3/4 in.	35	21.50	

(EXAMPLE: Use No. 6 Jardier for a 6-in. Pot).

## VASES

No. 400 Rose Vase, Height 10 in., Top Diam. 5 in., per carton of 40, **White or green** \$7.95 per ctn.  
No. 500 Spray Vase, Height 10 in., Top Diam. 7 1/2 in., per carton of 18, **White or green** \$5.40 per ctn.  
No. 700 Mum Vase, Height 13 1/2 in., Top Diam. 9 1/2 in., per carton of 12, **White or green** \$5.50 per ctn.  
**NOTE—No. 3, No. 4 and No. 5 Standard Jardiers** are extensively used as "vases" for shortstemmed flowers.



No. 4 Jardier Bulb Box

## THE JARDIER BULB BOX

Here is the final solution to bulb and plant "box idea" and its many possibilities. The Jardier box is absolutely waterproof. Place the soil and plants directly into the Jardier. It is the least expensive and most practical method of carrying out the beautiful box idea. Jardier Boxes are self-aerating—same as Jardier Vases—stimulating plant growth.

**No. 4—White or green.** 12 in. long, 5 in. wide, 4 1/2 in. deep, \$23.00 per 100—packed 50 per carton.

**HYACINTH GLASSES (Vases).** In crystal shade only. Per carton of 24 vases, \$4.00; 3 carton lots at \$3.70 per carton; 6 carton lots at \$3.60 per carton.

## A GOOD VARIETY OF SIZES IN THESE FLOWER VASES

And they are built right. Galvanized, hand soldered, with wire reinforcement at the top—the sides tapering so that they nest. Attractively striped in red.



Hyacinth Glass

Style	Top Diameter	Bot.	Ht	Price Per Doz.
253	4 1/2 in.	3 1/2 in.	10 in.	\$11.40
255	6 1/2 in.	5 1/2 in.	12 in.	13.05
257	6 1/2 in.	5 1/2 in.	15 in.	16.00
57	5 in.	3 1/2 in.	5 in.	8.50
59	6 1/2 in.	5 1/2 in.	7 in.	10.30
65	7 1/2 in.	6 1/2 in.	8 in.	12.00
66	9 in.	7 1/2 in.	10 in.	16.25
68	9 in.	7 1/2 in.	12 1/2 in.	18.55
68B	9 in.	7 1/2 in.	15 1/2 in.	19.65
69	9 in.	7 1/2 in.	18 in.	21.30
70	9 in.	7 1/2 in.	24 in.	26.65

Price Subject to Change.



Galv. Vase

# Plants, Pots and Garden Labels

**ZINC TREE LABELS.** For an enduring label these are unsurpassed. They last for many years. Writing is done with an ordinary lead pencil; gets plainer with age. They are copper wired and measure  $3\frac{3}{4} \times \frac{3}{4}$  inch. Price per 100, \$1.95; 500 for \$9.00.

**COPPER LABELS.** Wired, indestructible. Per 100, \$2.25; per 1,000, \$21.00; larger size, per 100, \$2.95; per 1,000, \$27.50.

**EVERLASTING ZINC LABEL.** A permanent label; holds lead pencil marks permanently in all weather, one piece, 6 inches over all. Price per 100, 85c; 500 for \$4.00.

**LABELS (Pot).** We carry the best quality of Wooden Labels made. They are smooth, strong and neat,  $\frac{5}{8}$  inch wide.

When ordering, specify pot labels or garden stakes, painted or plain.

	Packed to Carton	Plain, Per 1000	Painted Per 1000
4-inch.....	1000	\$2.75	\$3.30
5-inch.....	1000	3.00	3.60
6-inch.....	1000	3.30	4.05
8-inch.....	500	4.80	6.00
10-inch.....	500	5.80	7.10
12-inch.....	500	6.80	8.40

	Packed to Carton	Plain, Per 1000	Painted Per 1000
8-inch— $\frac{7}{8}$ inch wide.....	250	\$7.30	\$ 8.50
10-inch— $\frac{7}{8}$ inch wide.....	250	8.30	9.60
12-inch— $1\frac{1}{8}$ inches wide.....	100	14.00	16.00

**LABELS (Tree).** Wooden,  $3\frac{1}{2}$  in. copper wired. Per 1,000, plain, \$3.30; 5,000 to 9,000, per 1,000, \$3.20. painted, per 1,000, \$4.10; 5,000 to 9,000, per 1,000, \$4.05.

**RAINBOW Garden Marker** is a weather-proof label of masonite,  $\frac{1}{8}$  inch thick,  $1\frac{1}{2} \times 3$  inches,  $\frac{1}{8}$ -inch thick, coated with aluminum based water-proof paint. It is held at the right tilt to be legible from standing position, on 18 inch metal stake with swan-neck locking curve. Kit of 24 markers with ink and marking pen, \$2.50; per doz. kits, \$20.00; 24 additional markers, without pen and ink. Price, \$2.00; doz. pkgs., \$16.00.

**LARGE KIT.** For commercial growers and nurserymen. Stake 18 in. high with larger slabs  $4\frac{1}{2} \times \frac{1}{2}$  in. including weatherproof marking fluid and pen, per kit of 100, \$9.00.

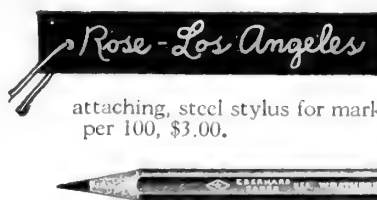
**DREAM SPIRAL WRAP ZINC LABELS.** The only permanent label that expands as the plant grows. Size  $1\frac{1}{4}$  in. x 4 in. The acid etched name and full record of plant (especially for roses, azaleas, trees, shrubs, etc.) plainly legible for 15 years. Eliminates all chance of girdling. Makes a wonderful non-rusting label for pots and perennial beds.

"KIT" size, 24 4-inch LABELS, one oz. of etching ink (enough for 200 labels) and a writing applicator for \$1.00; per doz. kits, \$8.00.

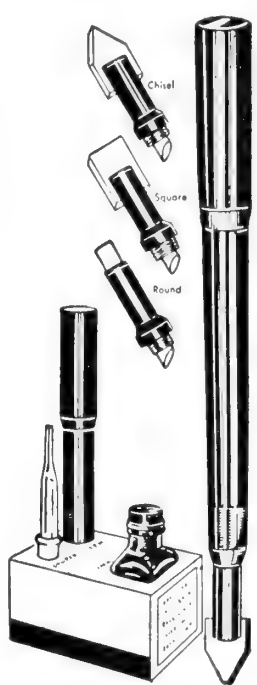
50 Zinc LABELS, one oz. of Etching Ink and writing applicator for \$1.75; doz. \$14.00. 1,000 Zinc LABELS, 5 oz. bottle of Etching Ink and applicator for \$14.95.

**OVAL TOP PLANT MARKERS.** 9 inch stamped galvanized metal, oval plate, tilted so it can be read from a standing position. Price per 100, \$5.50; 500 for \$26.00; 1000 for \$50.00.

**VAUGHAN'S TRANSPARENT PERMANENT PLASTIC LABEL.** Made of the plastic "styrene," which is as transparent as glass, but unbreakable, and weather proof, this label is provided with a tilted plaque, easily read from above, on which the name is written in a script red marking pencil. Small size, overall height 6 inches, plaque  $2 \times 4$  in., doz., \$1.50; 100, \$10.00. Large size, overall length  $12\frac{1}{2}$  in., plaque  $2\frac{1}{2} \times 5$  in., doz. \$2.25; 100, \$15.00. Script red pencil, 25c.



**WEATHER-PROOF PENCILS.** For marking labels. Will not rub off or fade. Each, 10c; doz., 85c; 6 doz., for \$4.50.



**SPEEDRY BRUSH PEN.** This is the new amazing brush pen. Will write or mark on porous surfaces. It can be used on wood, leather, textiles, cardboard, paper, glass, tin and cellophane. The ink dries instantly and does not smear. When ordering specify type of nib; chisel, square or round. Price each with bottle of instant drying ink \$1.75. Per dozen, \$15.00. Extra nibs at 35c each; dozen, \$2.80. Speedry Ink price, per 4 oz. bottle, 80c; 16 oz. bottle, \$2.60; 32 oz. bottle, \$4.50.



**FLEXIBLE RUBBER COATED GLOVES.** Made with new high tensile fabric construction and processed to provide the maximum in comfort, flexibility and wear. Coating is fully water and liquid proof. Oil and grease resistant. Provides complete hand protection against dirty, rough or harmful materials. Ideal for gardening and general work around the greenhouse, home or farm. Price per pair, \$1.00; per dozen pair, \$9.00.



GREEN THUMB GLOVES



NEW BLUETTES HOME AND GARDEN GLOVES

**GREEN THUMB GLOVES.** New Improved. Soft, washable for garden and house use, small, medium and large. Specify size when ordering. Price per pair, 89c; per doz. \$7.08.

**NEW BLUETTES HOME AND GARDEN GLOVES.** Neoprene coated elastic knit. Short fingers to fit every hand snug to the tips. Knit lining unlike old style rubber coated canvas gloves. In Small, Medium and Large sizes. Price pair, \$1.39, postpaid Doz. \$11.00; Specify sizes when ordering.



Made of imported leather processed to make it pliable as kid and washable. An ideal glove for men and women gardeners. Will outwear six cotton gloves. Sizes for women: "Small," "Medium," "Large"—for men: "Medium" and "Large." Price, \$1.50 a pair. Ladies', Doz., \$13.20. Men's, Doz., \$13.80.

## AMERICAN WHITE CROSS ALL PURPOSE No. 3 +FIRST AID KIT.+

Kit should be kept handy in every greenhouse, floral shop or nursery. It contains ointment, Mercurochrome, bandages, adhesive plaster, absorbent cotton, pair small scissors, gauze, etc. Kit complete with White Cross First Aid instructions. \$1.75; 3 for \$5.00.

# Plant Stakes and Supports

## Wood Stakes, Green Painted

Medium weight pointed.

3 ft., per 100, \$7.75; 4 ft., per 100, \$10.95; 5 ft., per 100, \$13.95.

## Wood Stakes, Green Painted, Heavy Grade

4 ft., per 100, \$16.50; 5 ft., per 100, \$21.00; 6 ft., per 100, \$24.95.

## Bamboo Stakes, Plain and Green Painted.

	F. O. B. Chicago Per 100	Per 1000	Per Bale of 2000	F. O. B. New York Per 100	Per 1000
1½ feet.....	\$0.90	\$3.75	\$ 6.25	\$0.90	\$3.75
2 feet.....	1.00	4.95	8.00	1.00	4.95
2½ feet.....	1.15	5.95	10.50	1.15	5.95
Natural. 6 ft.....	2.50	16.50	2.50	2.50	16.50
3 feet.....	1.35	7.75	13.50	1.35	7.75
3½ feet.....	1.75	9.75	16.95	1.75	9.75
4 feet.....	1.90	10.75	18.50	1.90	10.75

Write for price in bale lots

**Heavy Tonkin Stakes, Natural Colors.** Heavy weight bamboo. Entire stake same weight, does not taper. Ideal for roses, dahlias, young trees, etc. Just the thing for florists and nurserymen. Lasts a lifetime.

Length	Diameter	F.O.B. New York Per 100	F.O.B. Chicago Per 100
4 ft.	½ to ⅝ inch.....	\$ 8.50	\$ 9.00
5 ft.	⅝ to ¾ inch.....	10.00	11.00
6 ft.	¾ to ⅞ inch.....	11.00	12.00
7 ft.	⅞ to 1 inch.....	13.00	14.00

## Galvanized Wire Stakes

	No. 8 ga. per 1000	No. 9 ga. per 1000		No. 8 ga. per 1000	No. 9 ga. per 1000
3 ft.	\$25.50	\$23.25	6 ft.	\$47.00	\$42.00
4 ft.	32.50	29.00	7 ft.	54.50	.....
5 ft.	40.00	36.00	8 ft.	63.50	.....

Prices subject to change without notice.



## TWIST-EMS

New handy utility plant ties, deep green color, same shade as foliage of plants. Do not break or come loose. The wire running through the center of tape makes them unbreakable and they

cannot come unfastened. Tape protects stem against injury. For all types of plants and other vegetable crops. Price 4 inch per 1,000, 90c; 25,000 lots at 80c per 1,000; 8 inch per 1,000 \$1.75; 25,000 lots at \$1.55 per 1,000; 12 inch per 1,000, \$2.60; 25,000 lots at \$2.25 per 1,000; 16 inch per 1,000, \$3.50; 10,000 lots at \$3.20 per 1,000. Write for prices on larger quantities.

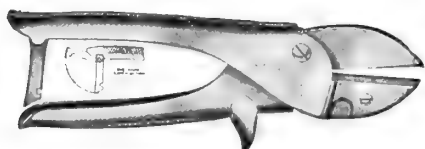
**TWIST-EMS ASSORTMENTS.** Assortment B contains 24 pkgs. of 100 8-inch. Retail at 25c per pkg. Price per asst., \$4.00. C asst. contains 24 pkgs. of 200 4-inch. Retail at 25c per pkg.; per asst. \$4.00. D asst. contains 24 pkgs. of 100 16-inch. Retail at 50c per pkg. Per asst., \$8.00. G. asst., 250 ft. continuous roll packed 12 to a display carton, \$8.00, retail at \$1.00 per roll.

**RAFFIA.** Natural, Best Grade, F. O. B. Chicago. Lb., 60c; 5-lb. lots, per lb., 55c; 10-lb. lots, per lb., 50c; 25-lb. lots, per lb., 45c; 100 lbs., per lb., 42c. Bale lots (about 225 lbs.), per 100 lbs., \$40.00.

**Dyed—**Old gold, pink, purple, emerald green, dark red, bright red, black, navy blue, orange. Per lb., 95c; 5 lbs., at 90c; 10 lbs., at 85c; 25 lbs., at 80c. Samples on application.



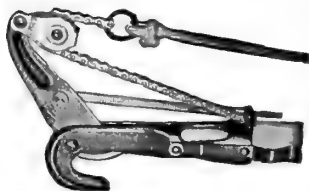
**PORTER TWINCUT PROFESSIONAL ONE HAND PRUNER.** This pruner is drop forged from selected tool steel. The patented pivot bolt cannot tighten or loosen in use, yet can be easily adjusted. Equipped with new concealed locking device. Instantly locks or unlocks the closed tool with the touch of the thumb. 9 inch full polish. Price, each, \$5.75, three for \$15.75.



**SNAP CUT PRUNER.** No. 908. Heavy duty, full polished, \$2.50; 6 pair for \$12.60

## PRUNING TOOLS

IMPROVED PORTER NO. 7TQ90J  
TELEPHONE PRUNER



**PRUNER HEAD.** Only \$6.50. Pruner head with 6 ft. head pole and two 6 ft. extension poles, \$15.25.

**TREE PRUNERS.** Clyde, 6-ft., \$2.95; 8-ft., \$3.25; 10-ft., \$3.75; 12-ft., \$4.25. Extra blades, each, 30c.

**Barlett No. 1 R. J. Jointed Tree Pruner.** 12 ft., in three 4-ft. sections. Each, \$15.35

**BUCKEYE PRUNERS.** No. 5406, 20 inch handles, each, \$2.75; 24 inch handles, each \$2.95

A strong and rugged Pruner with many advantages, such as lighter weight, greater cutting power, strength and greatly improved spring action which eliminates spring breakage with one pulley.



**CLYDE DRAW CUT PRUNER.** No. 5402 heavy duty pruner, 24 inch reinforced handles, each, \$5.00.



**TRIMMER, California Pole.** Curved, draw-cut saw with crook for removing branches. Each, \$2.95; 3 for \$8.25.



**SAWS (Atkins) Double-Edged Pruning.** 18 in. \$2.35; 3 for \$5.25.



PAT.

Apr. 27-20



**PLANT TIES Lighting Wire.** Per box of 1,000, \$1.90; 5 or more boxes, \$1.85 per box. Shipping weight per box, 2 lbs.

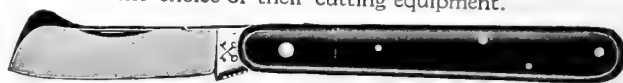
**Eureka Stake Fasteners.** For roses, 'mums, etc., up-to-the-minute stake holder; hold stakes with firm grip. Loop clips allow you to remove and replace any stake any time. They never slip and are a great saving in time and money. Price \$2.45 per 1,000. 5,000 for \$12.00. Samples mailed free.

**STAKE FASTENERS.** Everlasting, packed 500 to a box, per box, \$2.00; 10 boxes or more, \$1.90 each.



## Florists' Knives, Etc.

The Budding, Grafting, Pruning and Florists' Knives illustrated below are designed and made to meet the exacting requirements of nurserymen, orchardists, florists and gardeners who are extremely particular in the choice of their cutting equipment.



**Budding, No. 5A.** Black handle; brass lined..... Each \$3.00 3 for \$8.25  
**Budding, Beech Wood Handle.** Per doz., \$7.80.... .85 2.25



Vaughan's Florist

**Vaughan's Florist—3** for \$6.50..... Each, \$2.25  
**Pruning, Stag handle.....** Each, 3.50  
**Schrades Heavy Perfect Pruning Knives No. 123EW, similar to Henckel No. 3C.....** Each, \$3.25  
**Henckels, Imported two blade budding and propagating.** Each, \$3.25; 6 for \$18.00.

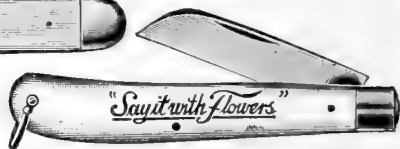


**Henckels, Imported black handle, propagating.** Each, \$2.75; 6 for \$15.00.



**Vaughan's Budding and Prop., No. 86281, with Brass Caps, each, \$3.00; doz., \$33.00.**

**White Handle, No. 83023W, silver nickel shackle for chain attach.** Each, \$2.25; 3, \$6.25.



**GRAFTING WAX.** Per ¼-lb. bar, 30c; ½-lb. bar, 45c; 1 lb., 70c.



# Hot Bed Supplies, Seed Flats, Paper Pots and Bands

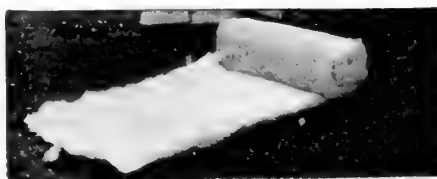
**HOT BED MATS.** For protecting Hotbeds, made of poplin, material, vat dyed and Sanforized to make, them damp proof, 40x76", price each, \$6.75; dozen, \$75.00; 76x76" price each, \$8.75; dozen \$99.00.



**VITAPANE GLASS SUBSTITUTE.** Crystal-clear transparent, durable, glossy material. Admits over 60% ultra violet rays for green-

houses, hot and cold bed frames, hot houses, as plant protectors and everywhere glass is generally in use. Put up in 50-ft. rolls, 36 inches wide. Price per roll, \$10.25; 5-roll lots at \$8.25 per roll.

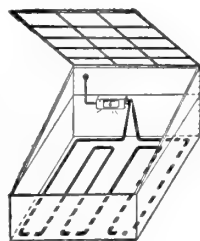
**GLASS WOOL.** Protection and perfect mulch for your prized Plants and Shrubs, has been proved superior to all other mulches for the winter protection of plants. A snowy white blanket composed of extremely fine glass fibres. Packed 9 rolls to a carton, 24" x 96" in size, 144 sq. ft. Price per carton, \$10.50; three cartons for \$30.00.



**CEL-O-GLASS.** Will take the place of glass in hotbed sash, unbreakable and very light in weight. Properly installed, Cel-O-Glass is guaranteed for 5 years, will not break like glass or tear like cloth, flexible, easy to handle and install. Put up in rolls 3 ft. wide up to 100 ft. long. Price per 25-ft. roll, \$10.00; 100 ft. roll, \$36.00. 28 inches wide, 100-ft. roll, \$30.50.



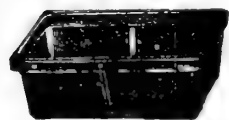
**GRO-QUICK Electric Seed Bed Heater.** Soil heating cable and thermostat. Jr. package contains thermostat and 40 ft. 200 watt cable for 3x6 ft. hot bed or 25 square ft. of cold frame. Price \$5.95 ea.; 3 for \$16.50. Sr. package contains thermostat and 80 ft. 400 watt cable for 6x6 ft. hot bed or 50 square ft. of cold frame. Price \$6.95; 3 for \$19.30. Jr. cable only price \$1.95; Sr. cable only price \$3.65.



## PANSY BASKETS

Price, 1 qt. size, 500 for \$14.00; 1000, \$27.00.

Price, 2 qt. size, 500 for \$15.00; 1,000 for \$29.00; 3 qt. size, 500 for \$17.25; 1,000 for \$32.00.



**SIEVES.** For sifting soil. 18 inches in diameter, all sizes mesh from 1/8 to 1/2 inch. Each, \$2.25.

## SEED FLATS

Made from clean Ponderosa Pine, knocked down, put up in bundles of ten flats each.

Inside Dimensions		Per Bundle of 10
No. 3	21 1/2 x 14 x 2 3/4 inches	\$5.00
No. 3-A	21 1/2 x 14 x 3 3/4 inches	5.55
No. 4	24 x 15 x 2 3/4 inches	5.80
No. 4-A	24 x 15 x 3 3/4 inches	6.20

## WOOD VENEER PLANT BANDS

Used by the largest growers for vegetable plants, perennial plants, carnations, snaps and stocks. For transplanting in greenhouse or outdoors.

Placked 1000 to carton	Weight per 1000	Price per 1000	Bands with Bottoms 1000
1 3/4 x 1 3/4 x 2 1/2	.....	\$4.45	\$7.05
2 x 2 x 2 1/2	.....	4.55	7.10
2 1/2 x 2 1/2 x 2 1/2	.....	4.90	7.50
2 x 2 x 3	..... 16 lbs.	4.85	7.50
2 1/2 x 3 1/2 x 3	..... 20 lbs.	5.10	7.75
3 x 3 x 3	..... 21 lbs.	5.55	8.15
3 x 3 x 4	..... 32 lbs.	5.85	8.55
4 x 4 x 4	..... 40 lbs.	6.70	9.50



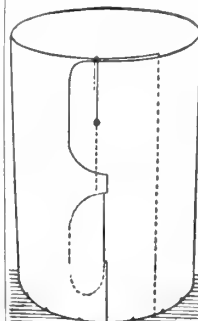
Prices on pots and bands subject to change without notice

**IMPROVED NEPONSET PAPER FLOWER POTS.** The famous pot with a new use. A waterproof pot that can be used for growing plants, especially in the greenhouse where they have to stand continual watering from six to eight weeks. The ideal pot for transplanting and shipping. Unbreakable and much lighter in weight.

Size, inch	Per 100	Per 1000 F.O.B. New York	Per 1000, F.O.B. Chicago	Original crates hold	Gross wt. of 1000 pots about
2	\$0.90	\$ 8.60	\$ 8.60	1,000	10 lbs.
2 1/4	.95	8.60	8.60	1,000	12 lbs.
2 1/2	1.10	8.70	8.70	1,000	16 lbs.
3	1.50	9.15	9.15	1,000	24 lbs.
3 1/2	1.65	12.20	12.20	1,000	34 lbs.
4	1.80	14.70	14.70	500	46 lbs.
5	2.50	18.15	18.15	500	75 lbs.
6	3.00	22.25	22.25	500	102 lbs.

**NEW BIRD VITA-POTS.** For growing and shipping, containing nutrients that are readily available as plant develops. Eliminate labor of knocking plants out of pots and repacking rootball. Eliminate handling and storage of heavy pots. Lightweight, reduces shipping charges. Will also reduce damage claims.

Size	Per Case Quan.	Per Carton Ship. Wt.	Price per Carton F.O.B. N.Y.	Price per Carton F.O.B. Chi.
2 inch	1,000	14 lbs.	\$14.00	\$14.00
2 1/4 inch	1,000	16 lbs.	14.30	14.30
2 1/2 inch	1,000	22 lbs.	14.85	14.85
3 inch	1,000	28 lbs.	16.40	16.40
4 inch	500	26 lbs.	12.20	12.20
5 inch	500	44 lbs.	16.95	15.95
6 inch	500	62 lbs.	20.85	20.85



**GRAY'S PLANT CONTAINER.** Made with the new Safety Tongue Lock and Clip. Cut out of heavy asphalt roofing. Shipped flat in bundles of 100 which reduces your storage space requirements. These containers can be quickly and easily assembled as needed. No stitching or special equipment necessary. They are tough, strong, and durable.

Type	Height	Top Diameter	Weight Per 100	Prices Per 100	Prices Per 1000
No. 3	5 in.	3 in.	25 lbs.	\$2.75	\$22.50
No. 5	5 1/2 in.	5 in.	35 lbs.	3.75	32.50
No. 6	6 1/2 in.	6 in.	52 lbs.	5.00	45.00
No. 7	9 1/2 in.	7 in.	78 lbs.	5.50	50.00
No. 8	9 1/2 in.	8 in.	88 lbs.	6.00	55.00
No. 12	12 in.	12 in.	170 lbs.	25.00	200.00

In quantities of 400 or more the 1000 rate applies. The above delivered in the greater Chicago area, which includes the surrounding suburbs.

## BIRD GROWTH-STIMULATING PLANT BANDS

A band for every purpose. Units of 1,000 only.

**Vita Band 40.** Designed for long growing period up to 40 weeks. Extra heavy construction for durability. Ideal for carnations. Impregnated with complete plant food. Available through the growing period. Remove from plants when transplanting.

Per 1,000	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3
	\$5.95	\$6.60	\$7.35	\$8.85	\$10.30

**Vita Band 10.** The low cost band for growing periods of approximately ten weeks. Nutrient treated with quick and constantly available plant food. Remove from plants when transplanting.

Per 1,000	1 1/2 x 1 1/2 x 2 1/2	1 3/4 x 1 3/4 x 2 1/2	2 x 2 x 2 1/2	2 x 2 x 3	2 1/2 x 2 1/2 x 3	3 x 3 x 3	4 x 4 x 3	4 x 4 x 4
	\$3.60	\$3.90	\$4.40	\$4.90	\$5.85	\$6.75	\$8.85	\$11.10

The above plant bands made of fibre-resin materials developed by extensive research work. Tested and proved under all growing conditions by successful greenhouse operators.

## NEW HANDY SEEDER

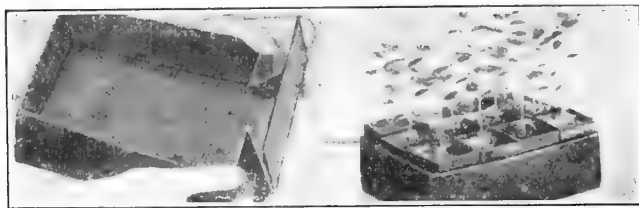
This little handy seeder will sow seeds up to size of sweet peas, scatters seed individually, prevents crowding and choking of seedlings, eliminates guess work because you can see each seed drop, no matter how fine. Saves time because you can sow seeds twice as fast. Price, each, 65c, postpaid; three for \$1.80; doz., \$6.60; retails at 80c each.



**VIBRA-SEEDER.** A battery operated flower and vegetable seeder for commercial and home gardeners—its palm of hand—will sow row or flat in fraction of time normally required. Operating cost one flash light battery per season. A real time, labor and seed saver. Price each, \$1.95; 12 for \$15.60.







### NEPONSET "TOM THUMB" FLATS

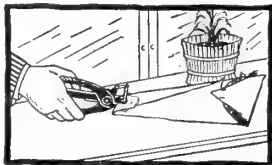
Made of heavy fibre resinous material. Easily set up. Comes in two sizes to hold either a dozen 1 1/4-inch bands or a dozen 2-inch. You will find these ideal for counter sales of bedding or vegetable plants. Price, size No. 1, \$44.70 per M; complete with 12,000 No. 10 bands, \$86.45 per M; size No. 2, \$49.60 per M; price complete with 12,000 No. 10 bands, \$95.65 per M; f.o.b. East Walpole Massachusetts.

### NEVA-CLOG STAPLING PLIERS

**Florists Save Time and Make Money with Wide-Jaw Neva-Clog Stapling Pliers.**

#### Florists' Model S100.

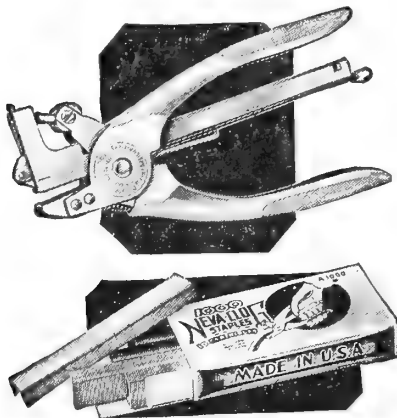
For wrapping plants and cut flowers, making up corsages, wreaths and light baskets, making paper flower pot covers, attaching delivery tags to plants and flowers, sealing seed and bulb envelopes and 101 other uses. Has 3/8-inch jaw and uses 1/4-inch and 5/16-inch staples as listed elsewhere on this page. Price, each, \$4.50; 3 for \$12.50.



### STAPLES

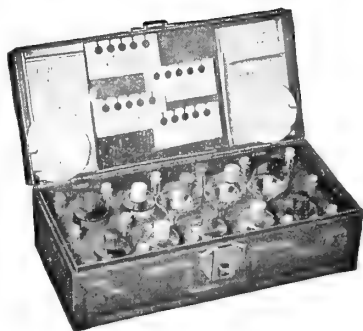
All Neva-Clog staples are sharpened at the points to make easy penetration of material. The forming is perfect and the cohering very strong to prevent strips breaking upon being handled at high speed by workman. Both lengths are 100 to a strip, 7/16-inch crown, 1000 to a box.

A—1000 1/4-inch legs. Per 1000, 35c  
L—1000 5/16-inch legs. Per 1000, 35c  
10,000 lots, per 1000, 30c  
25,000 lots, per 1000, 27c  
50,000 lots, per 1000, 25c



### The Sudbury Horticultural Soil Test Kit, \$12.50

The Sudbury Horticultural Soil Test Kit makes instantly available the essential information you require for gardening success. With it you can make quick practical tests which will show the acidity of your soil and any possible deficiency in nitrogen, phosphorus and potash. As a result, you can avoid failure by prompt adjustment of your soil to the requirements of your plants and grasses. Sudbury Soil Test Kits are used by leading amateur and professional growers throughout the country. The Horticultural Kit contains enough material for 60 individual tests. The Sudbury Horticultural Kit, complete with instructions and table of plant needs, \$12.50.



**The Sudbury Deluxe Soil Test Kit**—Contains enough material for 200 individual tests. Price, complete with instructions, \$24.95. **Testing Fluid for Refill**—Specify whether for nitrogen, phosphorus, potash, or acidity. When ordering the above, it requires No. 2 and No. 3 to make Nitrogen Tests, No. 4 and No. 5 for Phosphorus Tests and No. 6 and No. 7 to make Potash Tests, therefore when ordering, please order two numbers. 2 oz., \$1.00; 6 oz., \$2.00.

### The Sudbury Home Gardener's Soil Test Kit, \$2.50

This simple, practical easy-to-use kit is your best insurance of gardening success. Made by the maker of professional field test kits used by nurserymen, growers and greenskeepers throughout the country. The Home Gardener's Kit tests for nitrogen, phosphorus, potash and acidity, giving complete information for the intelligent adjustment of your soil to the requirements of your plants and grasses. No technical skill required. Results of tests are apparent immediately.

\***The Sudbury Home Gardener's Soil Kit**. Complete with instructions and table of plant needs, retail at \$2.50; six for \$10.00.

**New Club Model Kit**. An inexpensive kit cased in attractive imitation leather; makes a wonderful gift, each, \$4.75; 3 for \$9.50.



## Thermometers

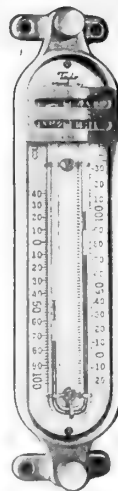
**THERMOMETERS.** Tin Case. Standard grade (tested). 12 inches. Guaranteed accurate tin case thermometers, black oxidized metal scale, heavy magnified easy reading tube, each, \$3.50; 3 for \$9.75; doz., \$36.00.



Taylor Utility



Tin Case



Self Registering

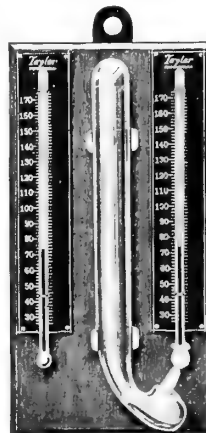


Hotbed

**Self Registering** Tycos. No. 5448, with magnet. 10 in. Maximum and minimum registering thermometers mounted on substantial plastic frame, guaranteed accurate, complete with magnet, each, \$10.00.

**SOIL THERMOMETER TEL-TRU No. FC. 220** New type dial stem, highly recommended for measuring soil temperatures. Very accurate. Dial diameter 2 1/4 in., stem length 6 in. Registers from 0 to 220°. Price each, \$3.00; 3 for \$8.25.

**Taylor Utility Thermometer.** White vitreous enamel scale, black figures and graduations; easy reading red permacolor tube which will not fade; prongs on top and bottom for easy mounting, about 8 inches. Each, \$1.75; three for \$4.75; doz., \$17.20.



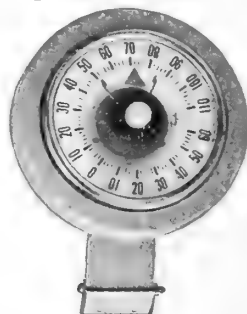
**Hotbed (Mushrooms).** All glass heavy plain, each, \$1.75; 3 for \$4.75.

### No. 5532-S HUMIDIGUIDE

Permascor tubes with magnifying lens, indoor temperature range. Scales have burnished metal figures and graduations on a polished lacquer background. Frame is mahogany bakelite with revolving humidity table and easy filling reservoir. Each in attractive box complete with spare wicks and instructions. Each, \$9.00. Wicks for Humidiguide, per dozen, \$1.50.

### Standard Recording Thermometer No.

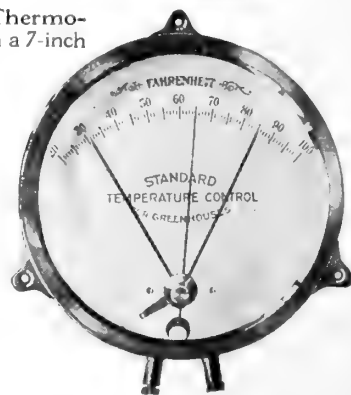
200. Furnished with daily chart No. 3 or weekly chart No. 2. Range of temperature 20° to 120° F. Price, \$60.00.



**NEW MAXIMUM AND MINIMUM THERMOMETER.** Model No. 5321. Set in water-proof plastic case 4 3/4 in. x 1 in. Will register lowest, highest, and present temperatures. Can easily be reset. Price each, \$7.50; 3 for \$21.00.

**Standard Greenhouse Thermostat.** No. G.H. 4, arranged in a 7-inch enameled, hermetically sealed metal case supplied with padlock and key. Contact hands when set can be changed only by person having key. Price, \$22.00. Shipping weight, 4 lbs.

**Standard Greenhouse Thermostat.** No. G.H. 3, enclosed in 6-inch non-rusting metal case. Contact hands are set by a stud extending through the glass. Price, \$17. Shipping weight, 2 lbs. Prices do not include wire, batteries or bell.



# Greenhouse and Glazing Tools and Materials

**GARLANITE.** The original white glazing compound, remains soft and flexible, easy to apply and to remove. 5-gal. kegs, \$17.25; gal. cans, \$3.55. 10 gals. or more prepaid.

**GARLAND WHITE SHADING COMPOUND.** 25 lbs. is equivalent to 2 gals. 25 lbs., \$4.00; 50 lbs., \$7.75; 100 lbs., \$14.00; 350 lbs., \$42.00; green 2c per lb. higher, F. O. B. Chicago or Cleveland, O. 100 lbs. or more, freight prepaid and shipped from factory.

**TAMM'S SHADING COMPOUND.** Save on shading painting. Stays on in rainy weather and is easily removed when no longer needed; none better made. White, per 100 lb. bag, \$14.00; Green, 3c per lb. higher.

**GARLAND'S BLACK BULBING CEMENT.** A pure asphalt glazing compound for greenhouse use. Will not crack or run and adheres to all glass and framework or sash. One gallon to 300 lineal feet. Apply with Mastic Machine or Bulber. 60, 40 and 20-gal. drums at \$1.10 a gal.; 10 and 5-gal. drums at \$1.25 a gal.; 1-gallon can, \$1.65.

**MODEL "O" SAFETY GLAZING GUN.** Gratis with 40 or 60-gal. drum of glazing cement. Each, \$4.75.

**VITAPLASTIC GREENHOUSE MAINTENANCE PRODUCTS, Vita Bar Seal Paint.** Effectively seals and protects Greenhouse Bars, having excellent durability and adhesion to both bars and glass due to the exclusive use of Vitaloid. 5 gallons, \$27.50.

**Vita Bedding Compound.** An excellent elastic compound for rebedding. 5-gal. pails, \$21.25.

**VITA PLASTIC Black Shade Cloth Preservative.** One gallon treats 300 sq. ft. Should be reduced 20% with Vita Plastic thinner. Price per 5 gal. can, \$22.50. F.O.B. New Jersey out of Chicago stock \$26.00.

**GLAZING PUTTY, Gun Grade.** A superior grade which will not dry out and crumble. Seals tight, remains soft and pliable. Gal., \$3.35; 5 gal. can, \$16.00; 30 gal. drum, \$90.00.

**NU-PUTTIE.** This superior putty will not dry out or crumble. Seals tight, remains pliable. Can be used for glazing, sealing and caulking. Natural color light grey. Gun grade per gallon, \$2.75; 5 gals. for \$12.00; 55 gal. drum for \$110.00.

**Knife Grade.** 25 lb., drum for \$4.25; 50 lb. drum for \$7.50; 100 lb. drum for \$14.00.

**PUTTY KNIFE, No. 120.** A very good tool. Each, 60c; 3 for \$1.50.

**GLAZING POINTS, Vaughan's Perfection—No rights or lefts.**

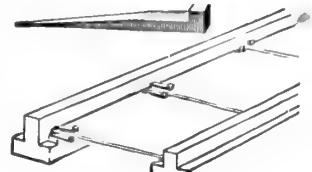
No. 2. For large single thick glass. No. 2½. Double thick, for greenhouses and skylights.

No. 2. Price, per lb. (about 900), 70c; in lots of 5 lbs., 65c per lb.; No. 2½. Per lb. (about 800), 70c; 5 lbs. at 65c per lb.

Write for prices in larger quantities.

**SIEBERT'S IMPROVED.—Pure Zinc.**

Easy to drive and made so they will not wedge or crack glass in driving. The head gives a good surface and makes it very easy to drive with a chisel, and the point is very easily pulled out in repairing greenhouse roof.



**VAUGHAN'S PERFECTION**  
SIZE 2½  
POINT

Two sizes, ½ and ¾ in. long, put up in 1-pound packages. Over 1,500 points in 1-lb. pkg. of ½ in.; over 1,000 points in 1-lb. pkg. of ¾ in. Price, per lb., 75c; 5 lbs., \$3.25; 20 lbs., \$10.50.

**PUTTY BULB, Scollay's.** A useful tool similar to the well-known Scollay Sprinkler, with a tube instead of spray for applying liquid putty in glazing greenhouses. Each, \$1.45; 3 for \$4.25; doz. \$16.20.

**MT. BEACON SHADING COMPOUND.** Green, gal., \$4.75; 5 gal. drum, \$21.25; complete directions on each container.

**VITASOLVE THINNER.** 5 gal. can, \$2.50. F.O.B. New Jersey out of Chicago stock \$4.00.

**GLASS CLEANER, LITE-NING CRYSTALS.** Instantly dissolves hardest crust of dirt, grease, soot, scum, or shading. Under ordinary conditions dissolve ½ pound of Lite-ning crystals in one gallon of water. For exceptionally dirty glass use one pound. Brush on glass, then rinse off with water. Will not injure plants or putty. 5 lbs. for \$6.75; 10 lbs. for \$12.00; 25 lbs. for \$27.50; 100 lbs. for \$90.00.

**Glass Cutter**  
**Trojan Roller**  
Type. Doz., \$2.85; each, 30c.



Prices subject to change without notice.

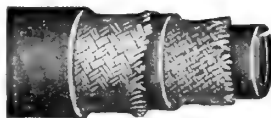
## For Greenhouse and Garden Irrigation

**SWANITE Reinforced Plastic Garden Hose. Single Braid, #867** full ½ inch green, light-weight. Does not kink. Won't fade, crack or rot or sun-check; with full nickel-plated, maxivolume coupling. Will withstand highest pressure. Guaranteed for five years. 50 ft. length. Retail \$10.95; each \$8.03; per bale of 5, \$36.50.

**VAUGHAN'S SPECIAL GREENHOUSE HOSE.** Full ¾-inch pre-war quality, a tough strong heavy pliable hose for high pressure syringing, etc. Uncoupled, per ft., 39c; 50 ft. lengths coupled, \$20.00.

**VAUGHAN'S ¾ INCH WATER**

**HOSE.** This is the finest grade of hose obtainable at this time. This is a two braid hose and is suitable for garden and greenhouse use. Price, 29c per foot. Couplings, 60c per set extra. This hose can be furnished in any length. ½ in. Single Braid Hose. Price, per 50 ft. length, \$6.95; six lengths \$35.00.



**SWAN DOUBLE BRAID GREEN Garden Hose #127.** Full ½ in. This hose is guaranteed for 15 years. Has smooth, tough inner tube and 2 braids of heavy rayon cords. A beautiful green cover of wear resisting Neoprene. Equipped with nickel plated maxivolume coupling. Will not burst under 800 lb. water pressure. 50 ft. only weighs 16 lbs. Easy to handle. 50 ft. length retails for \$12.70, each \$9.30; per bale of 5—50 ft. lengths, \$42.25.

**SWAN BLACK SINGLE BRAID HOSE #705** Full ½ inch. Same construction as above. Guaranteed for 5 years. 50 ft. length weighs 14 lbs. 50 ft. length retails for \$9.00, each \$6.60; price per bale of 5—50 ft. lengths, \$30.00.



**HOSE COUPLING, Improved Ever-Tight.**

No more waste of time, just press the lever, instant tight connection. A great time saver, a coupling that every greenhouse should be equipped with. Price, complete, 75c; doz., \$7.80. Faucet ends per doz. \$4.20.

**RAVINE WATER BREAKER.** Changes harsh stabbing streams to soft, lacy rain. Price, each, \$5.00.

**BRASS CLINCHER HOSE COUPLING.** Tight grip, will not leak, easily applied. The heavily plated fingers grip the hose tightly and make a leak-proof connection. The couplings have a large octagon shaped swivel. They are easily attached. Each, 45c; doz., \$4.80.

**Paradise Syringing Nozzle.** 10-inch, each, \$3.60; 18-inch, each, \$4.25; extra tips, each, 35c.



**Brass Clincher Hose Mender**

Price each, 20c; doz., \$1.75.



**JUSTRITE BRASS HOSE NOZZLE**

For lawn and garden, can be changed from fine spray to stream.  $\frac{3}{4}$  inch, each, \$1.10; doz., \$10.00.

**ROSS SEEDLING SPRINKLER**

This fog rose spray will lay a dew on young plants. It breaks the water into a fine fog.  $\frac{3}{4}$  inch hose threads. Each, \$1.35.

**HOTHOUSE SPRINKLER**

All brass, distributes water evenly;  $\frac{3}{4}$  inch connection; 3 inch face, each, 80c; doz., \$7.50; 4 inch face, each, \$1.00; doz., \$9.00.

**SCOLLAY'S FAMOUS FLORISTS' SPRINKLER.**

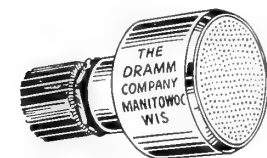
We Are General Western Agents.

None better for floral work. Beware of cheap imitations. Made of best quality of rubber and will outwear any other sprinkler on the market. Large size, plain top, No. 1, 6 in. high, each, \$1.60; 3 for \$4.50; doz., \$16.80.

**ROSS SQUARE SPRAY HEADS FOR SCIENTIFIC SPRINKLING**

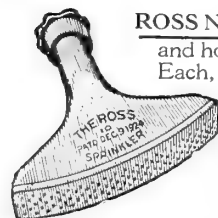
It sprinkles a square, making it easy for you to install your own underground system, at a very low cost. Threaded for  $\frac{1}{2}$  in. pipe, capacity  $3\frac{1}{4}$  gals. per minute. Has a slotted adjusting screw to control the area of the spray.

54A. Price, per doz., \$6.80. 64A.  $\frac{1}{2}$  or  $\frac{1}{4}$  circle heads. Doz., \$6.80.



The "400" Water Breaker

**NO. 400 WATER BREAKER.** This breaker is the answer to the florist's problem for all purpose watering gadget. It will do most any watering job. This breaker has 400— $\frac{1}{16}$  inch holes in it. The four hundred tiny streams of water are concentrated in a small area, consequently speeding your watering job. Price each, \$1.45, three for \$4.00.



**ROSS No. 10 SPRINKLER.** Is preferred by growers and home owners; capacity seven gallons per minute. Each, \$1.35; doz. \$10.80.

**LINCOLN PARK OR BUTTERFLY**

Cheapest and best sprinkler made. Each, \$1.00; doz., \$10.00.

Mounted on stand: 2-foot, \$2.35; 4-foot, \$2.65; 6-foot, \$3.75.

**HAYES SPRINKL-AIR NOZZLE**

Mixes air into water flowing through garden hose . . . almost magically changes harsh, stinging streams to soft, lacy, beneficial "Rain". SPRINKL-AIR'S flow falls lightly onto freshly seeded lawns and gardens—no washing away of earth and seeds, no damage to tender seedlings and tiny plants. Price each, 95c; per doz., \$7.60.

**SOIL SOAKER**

Irrigation hose for deep soaking. No. 0—12 ft., each, \$1.35; six for \$7.20. No. 1—18 ft., each, \$1.85; six for \$10.20; No. 2—30 ft., each, \$2.75; six for \$15.60; No. 3—50 ft., each, \$4.25; six for \$24.00.

**EROSIONET**

Use Erosionet for New Lawns, Weak Lawns, and Stubborn Terraces.

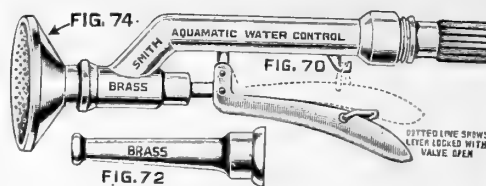
Made of strong open mesh fabric, will hold your seed and sod firmly in place, prevents washouts, does not present an unsightly appearance, grass and clover soon rendering it



almost invisible. Can be removed when grass becomes  $2\frac{1}{2}$  in. high. Width, 45 inches. Price per yd., 22c; 100-yd. lots, 20c per yd.; rolls of 250 yds., 19c per yard.

**AQUAMATIC SHUT-OFF**

$\frac{3}{4}$  in. hose connection. Complete as shown above. Price, ea., \$3.95.



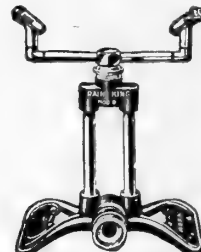
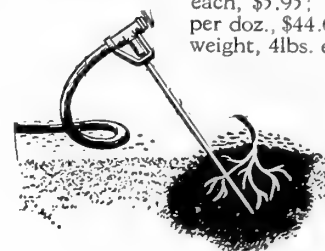
**ELKAY NOZZLE** from a powerful jet to a softest mist at the tip of your finger. Precision built. Non-corrosive instant shut off. Retail each, \$1.89; doz., \$15.00.

**RAIN KING SPRINKLER MODEL K**

Automatic, new, sensational sprinkler that you can set instantly to sprinkle any size circle 5 to 50 ft. by simply turning the button on top of the sprinkler. Retail each, \$8.50; 6 for \$34.02, per doz., \$63.72. Shipping weight, 5 lbs. each.

**RAIN KING SPRINKLER MODEL D**

Can be adjusted to operate slow or fast. Will operate on any water pressure. Retail each, \$5.95; 6 for \$23.82, per doz., \$44.64. Shipping weight, 4lbs. each.

**ROSS ROOT FEEDER.**

Irrigates and feeds at the same time. Pointed tube easily thrust into ground to reach root area. With 12 nutrient cartridges complete, \$3.95, 6 for \$15.90. Doz., \$28.44. Extra cartridges, carton of 12, \$1.00, doz. cartons, \$7.20.

**PROFESSIONAL WATERING POTS**

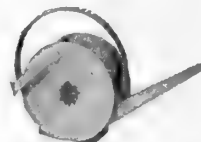
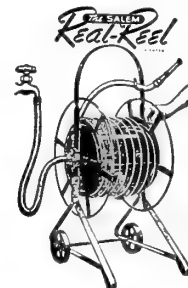
For Florist's, Nurseries, Seed Growers and Estates.

8 qt. size, \$7.65; 10 qt. size, \$8.35.

12 quart size, round, heavy watering pot with long spout and two roses, with brass handle. Price each, \$8.95.

**WATERING POT**

2 quart home size. Pastel green with rose design, for watering house plants. Each, \$1.60, dozen, \$15.60.

**REAL-REEL**

The only portable reel permitting water to run through the reeled-up hose. Equipped with 5 ft. of accessory hose and connection to attach to hydrant as illustrated. Saves time and work. The hose does not need to be removed from the reel to connect it to the water current. Made of the best steel, very durable with rubber tires. Price each, \$12.95 in lots of 4 when purchased for resale, \$10.00 each. Retail at \$14.95.

**NATURAIN PERFORATED PIPE**

Made of durable aluminum and stainless steel. Each section 5 ft. long, weight less than a pound. Ordinary pressure will throw water 20 feet. Extra 5 ft. lengths can be connected with a twist of the wrist. Primary unit with hose connection, retails at \$2.95; per dozen, \$23.60; Secondary unit, retails at \$2.75; per dozen, \$22.00. With ordinary pressure five units can be used.



**IRRIGATOR**

# Sprayers and Dusters

## Dobbin's Bighead Sprayers

5 1/2" diameter opening. Easy to fill, drain and clean. Positive quick sealing device. Equipped with patented self-lubricating pressure seal valve plunger. More air per stroke. Brass shut-off with trigger quick spray lock. Universal nozzle, sprays at any angle. Will handle all spray solutions. 4 gallon capacity.

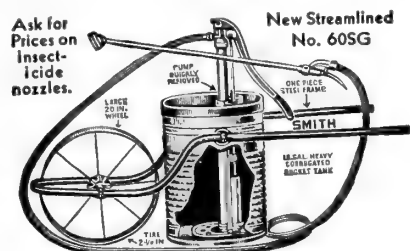


No. 44G. Galvanized tank. Each, \$12.25.

Stainless steel, Bighead 4 gallon, sprayer, ea., \$22.50.

## SMITH'S SPECIAL No. 24 G. O. COMPRESSED AIR SPRAYER

A durable low priced sprayer, has a funnel top, made of heavy steel, tank as illustrated. 3 1/2 gallon capacity. Galv., \$8.75; Brass, ea., \$15.35.



Ask for Prices on insecticide nozzles.

New Streamlined No. 60SG

## WHEELBARROW SPRAYER

Goes anywhere like a wheelbarrow through narrow openings. For spray solutions, disinfectants or whitewash. With extra long handle and large air chamber, develops from 150 to 200 lbs. pressure with minimum of effort. Made of best materials, all working parts of brass or bronze. Cart is strong, all steel and cross braced. Tank holds 18 gallons. Fully equipped with hose, nozzle fittings, steel extension, etc. Price, \$34.50. Shipping weight, 65 lbs.

Same as above. With air pressure tank, tested under pressure of 275 lbs., fitted with pressure gauge reading to 200 lbs. Price, \$47.50.

**Paragon Wheelbarrow Sprayer.** Greenhouse and Nurserymen Sprayer. 12-gal. capacity on one or two wheelbarrow type truck. Complete with hose, rod and nozzles. Price, \$33.00.



## HAYES JR. SPRAY GUN

All Purpose Sprayer. Makes 4 gals. of mixed spray material at a time. Sprays liquid and most wettable powders, up, down and sideways. Attach to your garden hose. Gives you the efficient performance of heavy, expensive equipment. Operates on water pressure from 30 to 75 lbs. No. moving parts to wear out or break. Retail, each, \$8.45; six for \$33.80.

**BLIZZARD COPPER CONTINUOUS SPRAYER.**

Very durable, seamless brass pump, solid copper quart tank with adjustable nozzle for straight and underleaf spraying. Qt. size, each, \$4.75; six for \$23.60; pint size each, \$3.95; six, \$21.00.



NEW STREAMLINE BLIZZARD CONTINUOUS SPRAYER

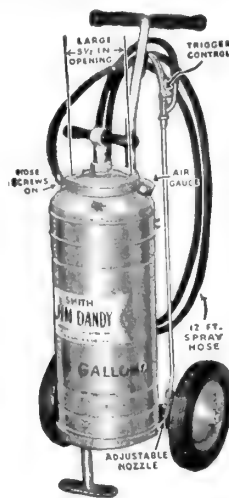
## PNEUMATIC HAND SPRAYER



**Pneumatic Tin Hand Sprayer.** Same as above, each, \$1.45; dozen, \$12.00.

**Tin Hand Sprayers.** Full qt. size, retails at 70c; per doz., \$5.40.

**Pneumatic Galvanized continuous** one quart size with two nozzles for straight and underleaf spraying. Each, \$1.60; dozen, \$14.40.



## G. S. MASTER SPRAYER

The finest sprayer for applying shading compounds, whitewashing and all types of insecticides, flower and vegetable gardens, fruit and ornamental trees. Sprays from a fine mist to a 35 ft. spray stream. Made of 100% brass throughout. Jr. Model each, \$5.95. Master Model with adjustable nozzle and 45 degree brass extension, each, \$7.95.

## ONE-MAN PRESSURE SPRAYER

**Jim Dandy Cart Sprayer.** The king of all sprayers. The all around sprayer for lawns, vegetable crops, trees, shrubs, etc. Also a handy sprayer for factory or indoor use. Easily wheeled around. Equipped with balloon tires and 12 ft. of 3/4 inch high grade spray hose and automatic shut-off nozzle. Galvanized, price each, \$32.00.



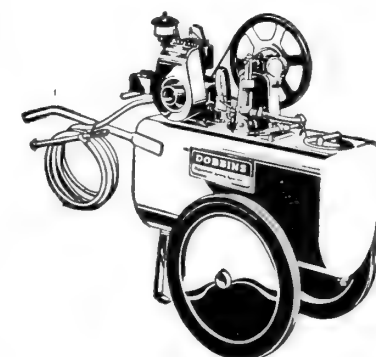
## CHAMPION KNAPSACK SPRAYER

All purpose sprayer. Tank shaped to fit man's back. Holds 4 gals. of fluid. Net weight 12 lbs. Adjustable brass nozzle permits either fine mist or 35 ft. stream. Galvanized, price each, \$21.35; Brass, price each, \$23.95.



**CYANOGENAS FOOT PUMP.** For pumping Cyanogas A-Dust into insect nests, rat burrows, mole run-ways, and for other burrowing pests. Will last indefinitely if not abused. Made for heavy duty. Weight, 8 lbs. Price each, \$15.00.

**CYANOGENAS "A" GRADE.** For moles, rats, gophers, and other ground rodents. 1 lb., doz., \$9.00; 5 lbs., each, \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00; 4-oz tins for ants, doz., \$3.60.

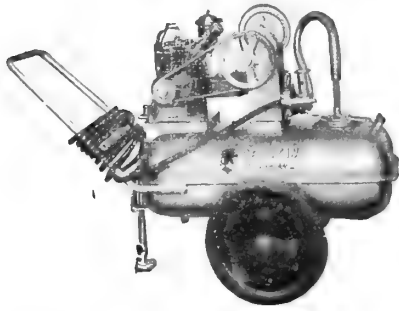


## UTILITY PORTABLE POWER SPRAYER

A portable high pressure light weight spray outfit. Handles all spray jobs for the individual owner and commercial grower. Brass pump with hardened stainless steel valve. Capacity, 1 1/2 gallons per minute, 25 gallon steel tank, 1 1/2 H.P. engine. 12 1/2 feet of high pressure hose and adjustable spray gun.

No. 4240R with rubber tire wheels. Each, \$185.00.

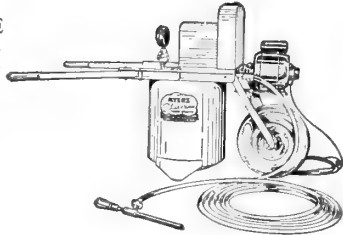




**BEAN SPARTAN POWER SPRAYER.** A dependable sprayer. Pressure 200 lbs., capacity 3 gallons per minute. Tank 15 gallons, width 20 inches, complete with Defender spray gun and 25 ft. of hose. Model 3, Briggs and Stratton Gas Engine, \$202.00; Model 3M with  $\frac{1}{2}$  H.P. electric motor, \$208.00.

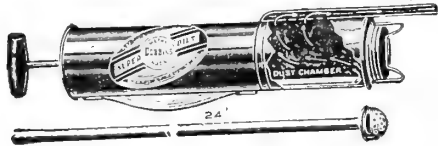
### MYERS SILVER PRINCE POWER SPRAYER.

Perfectly balanced, 2 gallons per minute. Tank  $12\frac{1}{2}$  gallons, width 16 inches. Complete with spray gun and 15 ft. of hose. No. 4502MR with  $\frac{1}{2}$  H.P. electric motor, \$236.50. No. 4502ER with  $\frac{3}{4}$  H.P. gasoline engine, \$226.50.



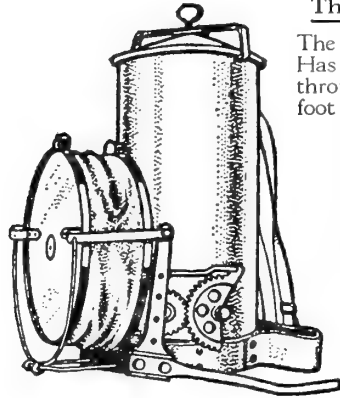
### DOBBIN'S IMPROVED HAND DUSTER

A uniform discharge down to the last particle of dust. For all garden and field crops. Self-lubricating pressure seal valve plunger. Capacity, 1 lb., equipped with two-way dust cap. No. 132 Duster. Each \$2.10. 6 for \$9.60.



### The American Beauty Duster.

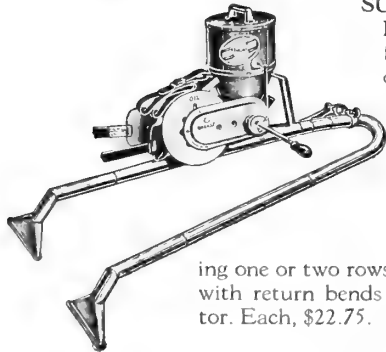
The most powerful hand duster made. Has a large, powerful bellows that throws dust to the top of twenty-five foot trees. A man will average eight acres per day on trees. Dusts truck crops at an average walking speed, and dusts the under side of leaves. Has a spiral agitator that crushes and grinds the dust and feeds directly into the moving air blast; does not choke or clog. Has an efficient regulator for discharge control. It is considered the standard of efficiency by all authorities. Price, \$28.50. Write for leaflet on the American Beauty Dust Sprayer.



### SUPERBUILT UNIVERSAL DUSTER NO. 200.

A powerful duster for field, garden or orchard use. Gears contained in duster proof gear case run in oil—easy running. Powerful air blast breaks up powder into uniform size dust. Complete with attachments for dusting

one or two rows. Capacity, 5 to 10 pounds with return bends for dusting in rear of operator. Each, \$22.75.



### Chapin Hand Duster No. 594

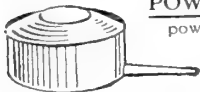
Retails, each, \$1.25; six for \$5.75; doz., \$9.60.



### CYCLONE

### POWDER GUNS.

The best dry powder gun for blowing powder on plants and insects. Cyclone retails, each, 35¢; doz., \$2.80; Jumbo retails, each, 60¢; doz., \$4.80.



### JUMBO



**DOG-CHECK.** The ideal repellent as a means of checking doggie habits. Safe and harmless to use. New formula will permit spraying on new growth. Unaffected by rain, one spraying usually lasts from two to three weeks. 3-oz. size, 60¢; display carton of 12, \$4.32; 8-oz. size, \$1.00; display carton of 12, \$7.20.

**ANT-"X" JELLY BAIT.** Tubes, garden size, 35¢; display carton of 12 tubes, \$2.52.

**ANT-"X" TRAPS.** Death box. 300 grain size for grease and sweet eating ants, each, 25¢; display box of 12 traps, \$1.80.

**RAT-NOTS.** The safe way to exterminate rats. Prepared bait containing squill can be used without fear of harming humans, dogs, livestock, etc. Trial size, 9 Nots, 25¢; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

**MOUSE-NOTS.** Impregnated seed bait kills mice. Fall is a good time to destroy mice in the house or orchard. Trial size, 9 Nots, 25¢; display carton of 12 pkgs., \$1.80; estate size, 50 Nots, \$1.00; display carton of 12 pkgs., \$7.20.

**MOLE NOTS.** Life saver for lawns and seed beds. Trial size 8 Nots, 35¢; display carton of 12 pkgs., \$2.52; estate size contents, 50 Nots, \$1.00; doz., \$7.80; jumbo size contents, 125 Nots, \$2.00; doz., \$14.40; gardener size contents, 400 Nots, \$5.00; doz., \$36.00.

5% discount on orders of six display cartons of the above.

### MASTERSHANDI-CART

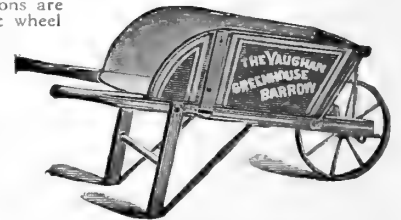
Replaces the old fashioned wheelbarrow for every purpose. Garden work really becomes a pleasure. Just dip it down and rake grass cuttings, leaves, earth or gravel into the cart. Can also mix cement right in the cart. No. 18-S, size of wheels 10 in. diameter. Extreme overall width of cart 20 in. Size of hopper body  $26\frac{1}{2} \times 16 \times 12\frac{1}{2}$  in. Retails at \$10.50. Price each, \$8.25. Three for \$21.00.

No. 20-D, size of wheels 10 in. diameter. Extreme overall width of Cart 25 in. Size of hopper body  $27\frac{1}{2} \times 21 \times 13\frac{1}{2}$  in. Retails for \$15.25. Price each \$11.25; three for \$30.50.



### VAUGHAN'S GREENHOUSE WHEELBARROW

Made especially for use in greenhouses between the benches. Dimensions are as follows: Box, 14 in. wide at wheel end; 16 in. wide at handle end; 12 in. deep. The bottom of the box is matched and glued together, and there is no crack against which a shovel might run. Wheel is of steel, 17 in., with  $2\frac{1}{2}$ -in. thread; the axle is 1 1/2 inches wide. Made of best material. Legs reinforced, spread of handles at hand-hold 20 in., which is extreme width of barrow. Each, \$16.50; with Pneumatic Tire, \$28.00.



### STAINLESS STEEL DIBBLE.

Made of pure stainless steel. Outwears any other dibble made. Ease of use increases production as much as 10%. Added feature is the soil free angle which relieves the soil and prevents clinging to point. Price each, \$1.50; postpaid, \$1.60.



# Latest Greenhouse Insecticides

**AZOFUME 45 CANDLES.** AZOFUME 45 is effective on red spiders, cyclamen mite and most other types of mites found in greenhouses on ROSES, CARNATIONS, MUMS, CYCLAMENS, CALLAS, HYDRANGEAS, GARDENIAS, CAMELLIAS, GERANIUMS, IVIES, KALANCHOES, AGERATUMS, CINERARIAS, PRIMULAS, COLEUS and many other plants, 24 Candles to a carton for \$10.80; 96 Candles to a case for \$43.20.

**AZOFUME 45 CANDLES WITH BHC.** To extend use over a greater range of insects, especially Thrips and Aphids, we have added 5% Benzene Hexa Chloride Gamma Isomer at no extra charge. Price same as regular Azofume Candles. Specify with or without BHC.

**PURE SODIUM SELENATE** is a granular powder, very concentrated: One pound treats 1,800 square feet of bench area. This material is completely water-soluble. 100 grams (makes 1 gallon) prepaid \$1.75; per lb., \$7.00.

**P-40 IS TWO PER CENT SODIUM SELENATE** and ninety-eight per cent carrier (superphosphate in the present material). It is a dilute material. Three pounds treat only 100 square feet of bench area. 3 lbs., \$2.25; 25 lbs., \$7.25; 50 lbs., \$13.75; 100 lbs., \$26.00; 500 lbs., \$126.00.

**FERMATE.** This new fungicide which has been thoroughly tested gives remarkable control of plant diseases, with safety to all plants. Reliable specific for black spot on roses, leaf spot on chrysanthemums, snapdragon rust, anthracnose of tomatoes, and brown rot of cherries. Recommended for use against all fungi and mildews. 8 oz. retails 75¢; per case of 24, \$12.00; 3 lbs., \$2.45; 6 packages for \$13.50; Case of 12-3 lb. packages, \$23.40.

**ISOTOX DAIRY SPRAY.** Containing Lindane. For fastest fly control, kills flies immediately. Kills flies resistant to DDT. May also be used to control Scab or Sarcoptic Mange on Dairy Cattle, Beef Cattle, Sheep and Hogs. Also effective around the house on flies, roaches, ants, mosquitoes and other insects. 1 lb. can, price each, \$4.10, per case of 12, \$36.60; 4 lb. can, each, \$16.00, per case of 4, \$48.00.

**LINDANE 25%.** Wettable high gamma, containing 25% Gamma Isomer. Price, 1 lb. cans, each, \$3.25; 3 lbs. for \$9.00.

**MALACHITE GREEN—An Aid in the Control of Rose Mildew.** A green dye, effective in the control of some mildews, especially common rose mildew. Recommended by leading universities as a rose spray. Can be used as a green dye for flowers such as green carnations for St. Patrick's Day. 1 lb., \$3.95; 5 lbs. for \$16.50; 10 lbs. for \$30.00.

**MARLATE METHOXYCHLOR 50% INSECTICIDE.** Active Ingredient: Methoxychlor Technical 50% (Equivalent to 44% 2,2-bis (paramethoxyphenyl) 1,1,1-Trichloroethane and 6% other isomers and reaction products. 4 lbs. bags, each, \$3.45; per carton of 12, \$33.20.

**PARZATE FUNGICIDE.** Dupont's newly developed dithiocarbamate fungicide which may be used as a spray or a dust for control of many important plant diseases. Price per 40 lb. drum, \$30.00. 3 lb. pkg., \$2.85; 6 for \$15.60.

**PARATHION 15% WETTABLE POWDER.** Good control of Cyclamen Mite, Red Spider, Thrips, Aphids, and various nematodes. Price per 1 lb. can, \$1.25; 4 lb. bag, \$4.50; 50 lb. drum, \$48.00.

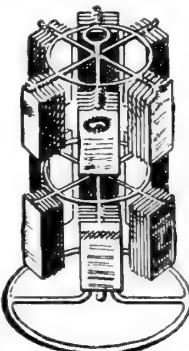
**PARATHION DUST 2%.** Ideal for control of most ornamental insect pests. Specially adapted for use in cheese cloth houses and outdoors. Price 25 lb. drum, \$8.50; 50 lbs., \$15.00.

**ZERLATE FUNGICIDE.** For control of plant diseases. Has natural adhesive and wetting qualities. Does not easily wash or weather off when applied to plants. Can be mixed with insecticides such as Arsenicals, Nicotine, Rotenone, Pyrethrum, D.D.T., etc. Price per 3 lb. pkg., \$2.45; 6 packages for \$13.50. Case of 12, 3 lb. packages, \$23.40.

## LAZY SUSAN DISPLAY

### RACK OF PRE-MEASURED SPRAYS.

Now we offer a rack containing five insecticides, 1 fertilizer and 3 hormones. This consists of 144 envelopes of 9 products, with 24 each of Rose Spray, Protexall Spray and Evergreen Spray, and 12 each of the others. Deal will also include Lazy Susan Display Rack, Placard and window streamers packaged together. These packets will retail at 25¢ each and will net \$36.00. Dealer's price, \$21.60, or a profit of 40%. Any envelopes which do not sell can be exchanged for others.



## Lethalare Aerosol Bombs

**PARATHION LETHALAIRE BOMBS.** G-54 (U.S.D.A. No. 151) contains 10% Parathion ("Thiophos 3422"). 4 lb. cylinders. One cylinder will treat 200,000 cu. ft. of space. Price in special shipping cases: Shell deposit, \$3.75; gas \$8.00.

**T.E.P.P. AND H.E.T.P. BOMBS.** 4 lbs., each, \$6.50. Deposit on shell, each, \$3.75.

Shells on both Parathion or T.E.P.P. and H.E.T.P. returnable for credit direct to the factory in quantities of 12 shells or more freight collect, or prepaid to us in smaller quantities.

**G-57 BOMB.** Containing 5% Tetraethyl-dithio-pyrophosphate (Dithion) For greenhouse ornamental use only. One, 4 lb., cylinder treats 200,000 cu. ft. Recommended for the control of Spidermites (Red Spider), Aphids, certain Species Mealy-bugs and White Flies. Price, each, \$8.00, shell deposit, \$3.75.

**Standard Speeding Applicator**.....Each, \$5.50

**Extra Long Speeding Applicator**.....Each, 6.50

**Mine Safety Industrial Gas Mask.** Each.....\$29.00

**Extra GMC-1 Canisters.** Each.....3.50

**War surplus navy mask with new G-M-C Canister,** each.....7.50



## ALL FORMS OF D. D. T.

**D. D. T. 50% WETTABLE DUST.** For diluting in water for spraying, or mixing with talc to prepare dust of desired strength. One pound in 100 gallons of water makes effective garden spray leaving a heavy residual deposit on plants. Three pounds to 100 gallons of water makes effective and safe spray for cattle, horses, hogs and other farm animals, or residual spray for walls of barns, stables, hog or poultry houses and milk sheds. 1 lb., retails \$1.25; per doz., \$9.00, 3 lb. bag, \$1.80; 48 lbs., \$24.00.

**D. D. T. 30% LIQUID SPRAY** in Velsicol emulsion form has given results on some insects superior to those from wettable powders. This is safe to use on garden and greenhouse plants, Gal., \$4.50.

**D. D. T. HOUSEHOLD SPRAY.** An oil spray for lasting control of pests. For spraying or brushing on screens and porch walls, and general household use according to directions. Kills bedbugs, flies, mosquitoes, moths, ants, silverfish and many others. Do not use on plants or animals. Pints per doz., \$4.50; qts. per doz., \$6.00; gals. per carton of 4-1 gals., \$5.40.

**D. D. T. 5% DUST.** A ready-mixed garden dust of D. D. T. combined with a fine, light-weight filler, safe to use on all plants in gardens and greenhouses, also on livestock, dogs, pet animals (except cats) and poultry. Its extra strength assures maximum pest control. 1 lb. retails, 40¢; per doz., \$3.20; per carton of 24, \$6.00; 25 lbs., \$3.25; 50 lbs., \$6.00; 5 lb. pkg., retails, \$1.50; per doz., \$11.40.

## BUG-GO INSECT SPRAY-BOMB

Kills All Household Insects. The most effective aerosol insecticide. Deadly to flies, roaches, bedbugs, silverfish, ants, mosquitoes, wasps and any crawling or flying pests. Contains DDT, Pyrethrum or Piperonyl Butoxide, three killing ingredients. (If one doesn't get them, the others will). Approved by U.S. Department of Agriculture. Leaves no unpleasant odor. Used as directed, is completely harmless to humans. Retails, each, \$1.30; doz., \$10.40.



## 10% Octamethyl Pyrophoramide Bomb—Lethalare G-59

Write us for leaflet on the 10% Octamethyl Pyrophoramide Bomb for use against the Resistant Red Spider (Spider Mites) and certain Aphids. Each, \$16.70.

## CHLORDANE, RIVALS D. D. T.

**OCTA-KILL.** (Water Base—2½% Chlordane). Especially for household uses. It is a non-staining, non-oily liquid with a delicate cedar aroma. Killing power lasts for weeks. ANTS, cockroaches, flies, water beetles, carwigs, carpet beetles, silverfish, moths destroyed with OCTA-KILL. For plants and flowers dilute OCTA-KILL with five parts water. Pint retails 79¢; case of 24, \$11.38; quart retails \$1.39; case of 12, \$10.00.

**OCTA-KILL EMULSION CONCENTRATE.** (Water Soluble—44% Chlordane). For crop and animal spraying 1 part is mixed with 200 parts water. By allowing a heavier run-off this can be used to spray farm buildings, animal areas, and for household use. Recommended maximum dosage 1 qt. per acre. ½ pint retails \$1.25; case of 24, \$19.50; pints retail \$1.95; case of 24, \$31.20; quarts retail \$3.25; case of 12, \$27.30; gallon jugs retail \$7.75; case of 4, \$24.80; 5-gallon pails, \$30.00.

**SYNKOR 50 W Chlordane Wettable Powder.** 8 oz. retails each, \$1.50; per case of 12, \$10.80. 1 lb. retails each, \$2.50; per case of 12, \$18.00; 10 lbs. each, \$12.00; 100 lb. drum, \$81.00.

## Protexall Combats All Plants Pests

**PROTEXALL**, introduced by us as a one shot spray or dust using new post-war insecticides and fungicides to combat almost all insects and plant diseases with one treatment, has been remarkably successful.

**PROTEXALL SPRAY.** 4 oz. package retails at \$1.25, per carton of 12, \$9.00; 1 lb. package retails for \$3.75, per carton of 12, \$27.00; 5 lb. package, \$13.00. 1 oz. will make approximately 4 gallons of spraying solution.

**PROTEXALL DUST.** 1 lb. package retails 95¢, price per carton of 24 packages, \$13.68; 4 lb. package retails at \$3.50, per carton of 12, \$25.20; 50 lb. bags each, \$30.00.

## Be First With This New Crab Grass Killer

### CRAB-NOT CONTAINS POTASSIUM CYANATE

#### FOR SUMMER AND AUTUMN SALES

Since 2,4D made it easy to kill dandelions with a spray, crab grass has become the No. 1 Weed in lawns throughout this country.

Potassium Cyanate (PC for short) is nonpoisonous, an entirely distinct product from the deadly potassium cyanide. It is safe to use where pets and children play.

Two formulae of Crab-Not are offered, Standard, the processed form of PC alone; Special, a combination of PC and 2,4D. The special formula kills dandelions, chickweed and other lawn weeds together with crab grass in the same operation.

#### FORM 1—STANDARD FORMULAE

Size:	Retail Price	Packing Per Case	Shipping Weight	Approx. Coverage	Dealer Cost Per Case
4 oz.	\$1.00	12	5 lbs.	600 sq. ft.	\$7.20
16 oz.	2.95	12	16 lbs.	2,400 sq. ft.	21.24
6-lb.	10.95	2	14 lbs.	14,400 sq. ft.	15.30
40-lb.	51.50	1	45 lbs.	2½ acres	41.60

#### FORM 2—SPECIAL FORMULAE, WITH 2,4D

Size:	Retail Price	Packing Per Case	Shipping Weight	Approx. Coverage	Dealer Cost Per Case
4 oz.	\$1.25	12	5 lbs.	600 sq. ft.	\$9.00
16 oz.	3.50	12	16 lbs.	2,400 sq. ft.	25.20
6-lb.	12.50	2	14 lbs.	14,400 sq. ft.	17.90
40-lb.	59.00	1	45 lbs.	2½ acres	49.50

# Other Insecticides and Fungicides

Add Postage According to Weight and Zone (See Order Blank).

In addition to the materials listed below we can supply any preparation on the market at the right price for your own use, or for resale. If you do not find the brand you wish listed, ask us for a price on the quantity desired. Attractive profits are earned by selling small-package insecticides at retail, for which sales most flower buyers are good prospects.

**ARASAN.** 8 ozs., \$1.00; 4 lbs., \$6.00; 25 lbs., \$30.00; 100 lbs., \$115.00.

**ARSENATE OF LEAD.** 1-lb. carton, 50c; doz., \$6.00; case of 24, \$11.52; 4-lb. bag, \$1.45; 48 lbs., \$14.76.

**BENZO-FUME PRESSURE FUMIGATOR.** Contains not less than 17½% of Azobenzene. Directions on each container. For control of Red Spider in Greenhouses. Price per carton of 12—½ lb. tins, \$3.20, gross weight 9 lbs.; per carton of 12—1 lb. tins, \$5.50, gross weight about 17 lbs.

**BORDEAUX MIXTURE.** (Dry.) One pound will make 5 gallons liquid. Lb., 45c; doz., \$4.35; Carton of 24, \$8.40; 4 lbs., \$1.20; case of 24 lbs., \$11.52.

**COPPER SULPHATE.** Crystals. 10 lbs., \$2.85; 25 lbs., \$4.85; 100 lbs., \$14.00.

**CORROSIVE SUBLIMATE.** Mercuric Chloride. Price, 1 lb., \$4.85; 5 lbs., \$23.50. (1 lb. to 96 gals. water).

**CUPROXIDE.** Yellow. An effective fungicide spray. Price, 1 lb. bag, \$1.85; case of 16, ¾ lb. bags, \$27.84.

**CYANOGAS "A" GRADE.** For moles, rats, gophers, and other rodents. 1 lb., doz., \$7.00; 5 lbs., each, \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00; 4-oz. tins for ants, doz., \$3.60.

**CYANOGAS CALCIUM CYANIDE "G."** Greenhouse fumigant. Aphids, white fly, thrips, soft scale, and mealy bug and control for crop-destroying rodents. 5 lbs., \$3.75; 25 lbs., \$12.50; 100 lbs., \$30.00. Write for leaflet; freight prepaid on 100-lb. lots.

**DOWFUME G.** New rapid setting soil fumigant. Especially toxic to Nematodes, eel worms, soil insects, millipedes, centipedes, pill bugs, etc. Permits replanting in 2 to 4 days after one bench fumigation. Not injurious to nearby plants. Easily and economically applied. Water seal is only covering needed. 10 gal. drum, weight 114 lbs., price per drum, \$35.90; 30 gal. drum, \$95.40.

**DOWSPRAY 17.** A Dinitro Compound for use as a wet spray to control red mite and thrips on roses, carnations, calla lilies, azaleas, snapdragons, gardenias, hydrangeas, etc. Put up in 1 lb. cans, 8 to a case. Each, \$2.95; per case, \$22.00.

**D. X. PYRETHRUM-ROTENONE CYCLONENE SPRAY.** A concentrated plant spray containing Rotonone-Pyrethrum-DDT in an active glyceride base. Controls sucking and chewing insects. Price, 1½ oz., packed 24 to a case, \$7.20 per case; 8 oz. packed 24 to a case, price per case, \$25.20; quarts packed 12 to a case, per case, \$41.34; gallon each, \$12.00; 5 gallons each, \$48.00.

**DOWFUME G APPLICATORS.** Highly satisfactory hand applicators. Adjustable for varied dosages. Will give years of service. Two types—No. 45-F, height 28 in., each, \$20.00; Type 45-AF, height 42 in., price \$20.00.

**FLOWERS OF SULPHUR.** Dusting grade. Lb., 15c; 10 lbs., 95c; 50 lbs., \$2.75; 2 bags for \$5.25.

**FORMACIDE FORMALDEHYDE DUST.** Control "damping off" of flower and vegetable seedlings. 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00; 50 lbs., \$17.50.

**FUME TOBAC.** Fumigating Powder. 25-lb. drum, \$5.00; 50-lb. drum, \$8.75; 100-lb. drum, \$16.25.

**FUNGINE.** New remedy for mildew, rust and other fungus diseases for greenhouse and outdoor use. Pt., 75c; qt., \$1.25; gal., \$3.25.

**GRAPE AND ROSE DUST.** Excellent for the prevention and destruction of mildew on plants. Lb., 40c; 5 lbs., \$1.50; 10 lbs., \$2.75; 25 lbs., \$6.25.

**GRASSLI S. S. 3 COMBINED SPREADER AND STICKER.** For use with sprays. Pt., \$1.20; gal., \$7.95.

**GRAY'S IRIS BORER ERADICATOR.** Pints retail at \$1.30; per case of 24, \$20.40; quarts retail at \$2.00; per case of 12, \$15.60.

**GRAY'S THRIPS AND APHIS ERADICATOR.** For roses, peonies, gladioli, etc. Pint retails at \$1.30; per case of 24, \$20.40; quart retails at \$2.00; per case of 12, \$15.60.

**HAMMOND'S FISH OIL SOAP.** Price per pint, 90c; per gallon, \$4.40.

**ISCOBROME.** For control of most nematodes and soil insects. Price per 5 gal. 40 lb. drum, \$19.20; Larvjector, \$29.50. Treats 1800 square feet.

**LEMON OIL.** Destroys mealy bug, scale, red spider. ½ pt., 50c; pt., 85c; qt., \$1.50; gal., \$4.20; 5 gals., \$16.80.

**LORO.** A new contact insecticide for controlling aphids, thrips, red spiders, etc. Pt., \$2.00; gal., \$11.00.

**METHYL BROMIDE.** A fumigant for seeds, bulbs and many greenhouse plants. Per lb. can, \$1.15; 10-lb. cylinder, \$8.25. Write for price on larger cylinders.

**MOLOGEN.** Gets rid of moles the easy way. ½ lb. package retails at 50c; per dozen, \$4.00; 1½ lb. package retails at \$1.25, per dozen, \$10.00.

**NAPHTHOLENE FLAKES.** Price 10 lbs., \$2.75; 25 lbs., \$6.25; 100 lbs., \$20.00.

**NEW IMPROVED CERESAN.** 1-lb. can, \$1.30; 4 lbs., \$4.35; 100 lbs., \$85.00.

**NICO-FUME HOLDER.** For 1-lb. size pressure fumigator. "Adaptor" is included for the ½-lb. size. Each, 85c.

**NICO-FUME LIQUID.** For fumigating or spraying; contains 40% nicotine. 1 lb. can, \$2.50; 2 lbs., \$3.45; 8 lbs., \$11.95; 40 lbs., \$51.60.

**NICO-FUME PRESSURE FUMIGATOR.** Put up in ½-lb. and 1-lb. cans, powder is now burned under pressure, giving better control of insects. The cans have a sparkler for lighting the powder. ½-lb. cans, 50c; six for \$2.60; doz., \$4.60; 1-lb. cans, 80c; six for \$4.20; doz., \$7.95.

**NICO-ROTE.** A combination of nicotine and rotenone. Kills by contact and fumes. Qt., \$4.00; gal., \$12.00.

**No. 10 REFINED ROSE SPECIAL (Apomite.)** For roses and carnations. Kills high percentage of eggs, no discoloring of blooms. Per gal., \$10.00; 5 gals., \$45.00.

**PARIS GREEN.** ¼-lb. carton, 25c; doz., \$2.00; 1 lb., 60c; 5 lbs., \$2.50; 25 lbs., \$10.75.

**PENETROL.** An activator for nicotine spraying solutions. Qt., 75c; gal., \$1.75; 5 gals., \$6.75.

**PINE TAR.** For tree surgery. Qt., 75c; gal., \$1.75.

**POMO GREEN.** With nicotine. Lb., \$1.00; doz., \$8.50; 5 lbs., \$3.50.

**PRATT'S FRUIT TREE SPRAY.** An all-purpose fungicide and insecticide, containing Sulphur, basic Arsenate of Lead and DDT for control of many chewing and sucking insects and fungus diseases on fruit trees, ornamentals and evergreens. 1 lb. sifter top can retails at 80c, per case of 24, \$12.48; 3 lb. bag retails at \$1.40; case of 16, \$14.56.

**PYRETHRUM POWDER.** Lb., 75c; 5 lbs., \$3.50; 10 lbs., \$6.25; 25 lbs., \$14.75. Write for price on larger quantities.

**RESPIRATORS.** For mild fumigating and dusting. Each, \$3.30.

**SEMESAN.** Seed disinfectant and plant stimulant. Important for control of damping off of seedlings, Gladioli, and disinfection of seed bed soil. ¼ oz. pkg., doz., \$1.60; 2 oz., 60c; doz., \$4.80; 12 oz., \$2.85; 4 lbs., \$13.40; 25 lbs., \$72.65; 100 lbs., \$276.20. Write for leaflets on Semesan, Semesan Jr. and Semesan Bel.

**SNAROL With Metaldehyde.** An insecticide bait to combat snails, cut worms, sow bugs and grasshoppers. 1 lb., 35c; doz., \$2.80; 2½-lb. pkg., 75c; doz., \$6.00; 10 lbs., \$1.85; 50 lbs., \$6.75.

**SPECIAL SEMESAN.** Control for brown patch, dollar spot, etc. in bent lawns. 1 lb. doz., \$21.90; 4 lbs., \$8.90; 25 lbs., \$52.05; 100 lbs., \$197.60.

**SPECIAL RED ARROW.** A pyrethrum spray for controlling leaf rollers and leaf tyers especially. Per quart, \$5.50; gallon, \$18.00.

**SPERGON SEED PROTECTANT.** 1 oz., 25c; doz., \$2.00; 1 lb., \$2.25; 10 lbs., \$20.00; 100 lbs., \$140.00.

**SPERGON WETTABLE GRADE.** 1 lb., \$1.25; 10 lb. drum, \$8.50; 50 lbs., \$34.00; 100 lbs., \$66.25.

**SULPHATE OF IRON.** A remedy for weeds on lawns, kills dandelions without injuring grass. Apply liquid with a fine spray. 5 lbs., 40c; doz., \$3.20; 10 lbs., 75c; 25 lbs., \$1.75; 100 lbs., \$4.50.

**SULPHUR FOR SPRAYING.** Wettable. Goes into suspension in water immediately. 4 lbs., 75c; 6 for \$3.00; 100 lbs., \$9.00.

**TARTAR EMETIC.** For the control of gladiolus thrip. 1 lb., \$1.00; 5 lbs., \$4.75; 25 lbs., \$21.25; 100 lbs., \$75.00.

**THRIP JUICE No. 2.** Destructive for mealy bugs, scale, thrip, codlin moth, canker worm, beetles, caterpillars, etc. Pt., 90c; qt., \$1.50; gal., \$5.50.

**TOBACCO DUST. Regular Grade.** Fine for dusting. 1 lb. package, each 25c, carton of 12, \$2.00; 5 lb. packages, each 70c, per dozen, \$5.80; 10 lbs., each, \$1.25, per carton of 6, \$5.00; 25 lb. bag for \$2.25; 100 lbs., \$5.85.

**TOBACCO STEMS.** 100 lbs., \$2.95; 500 lbs., \$12.50.

**TO-NA-CIDE.** Price 25 lbs., \$5.50; 50 lbs., \$9.00; 100 lbs., \$17.00.

**TRI-GEN SPRAY.** Three-way Spray, Insecticide, Fungicide, Stimulant. Outstanding rose spray, contains Ferimate. E Kit retails at \$1.35, per dozen, \$10.80; A Kit retails at \$2.25, per dozen, \$18.00; B Kit retails at \$6.00 per dozen, \$48.00; C Kit retails at \$9.00, 6 for \$36.00; D Kit, Estate Size, retails at \$30.00; price each, \$20.00.

**TRI-GEN DUST.** 1 lb. package retails at 85c, packed 24 to a case, per case, \$13.68. 5 lb. retails at \$3.50, per carton of 12, \$28.08.

**TRITON B-1956.** An efficient emulsifier and spreader. Per gal., \$7.25; 5 gal. can for \$34.25; 50 gal. drum \$295.00.

**VAPOTONE XX Insect Spray.** Effective against Red Spiders, Aphids, and many other insects. 4 oz. per case of 24 cans \$16.00; pints per doz., \$22.00. 1 gal., \$11.90.

**VOLCK.** Oil spray safe for nursery, greenhouse and garden. Controls scale, insects, mealy bug, white flies, red spiders, rust mites, aphids and thrips. 4 oz. bottles, per case of 24, \$5.60; 16 oz. bottles, per case of 12, \$5.60; gallon, each \$2.75; 5 gals., \$7.95; 28 gal. drum, \$31.00.

**G&O CROW REPELLENT.** ½ pt. retails for 35c; packed 24 to a carton, price per carton, \$5.60; pint retails at 55c; Price per doz., \$4.40.



**RABBIT REPELLENT.** With safety to all including the rabbits. This 200 mesh fine snuff-like product is impregnated with rain resistant repelling "naturals" so that an application should last several weeks. 5 lb. package will treat 100 to 150 individual plants or 200 to 250 running feet of plant row. Per carton of 24 1-lb. pkgs., \$7.20. Retails for 45c; 5 lb. bag retails for \$1.50; Per carton of 6, \$6.00.

## HOME GARDEN INSECTICIDES

# EndoPest

A triple acting dust for garden plants which kills insects of all types, and protects against fungus diseases. 4 oz. Sifter Top, retails at 25c, per case of 24, \$3.34. 10 oz. handy applicator gun retails for 85c; price per case of 24 guns, \$13.68. 10 oz. Refill Cart-ridge, retails 65c each; per case of 24, \$10.44. 2 lb. Refill pkg., retails at \$1.79; per carton of 12, \$15.04.

# EndoWeed

A preparation of 2-4D in liquid form which kills most lawn weeds. ½ pint retails at 98c; per case of 24, \$14.16; qt. retails at \$2.69; per case of 12, \$19.44.

## DUST AND PUMP GUNS



**ACME TOMATO DUST.** 1 lb. sifter carton, retails at 60c; per doz., \$5.20; per carton of 24 pkgs., \$9.84; 4 lb. bag retails at \$1.50; per carton of 12 bags, \$12.96.



**ROTENONE GARDEN GUARD PUMP GUN.** The old proven Rotenone insecticide which controls both sucking and eating insects. A full pound in a pump gun duster ready to use. Retails 65c ea. Price, 4 lb. bags ret. at \$1.00; per carton of 12, \$8.64; per doz., \$4.95. Carton of 24 pkgs., \$10.40.

# ITEMS YOU CAN SELL

Following popular insecticides are priced in quantity for your use and also in small package assortments for re-sale.

Items below ordered in less than quantity quoted will be billed at a higher rate.

## ROTOTEC WITH 5% D. D. T.

A Rotenone Garden Spray. Contains full amount of Rotenone plus 5% D.D.T. necessary for good insect control. 4 oz. bottle retails at \$1.25; price per dozen \$9.00; pint bottle retails at \$2.75; qts., each, \$4.25.

**ACME ROTENONE GARDEN GUARD.** A combination spray for controlling sucking and chewing insects. Can be used as a dust or spray. 1 lb. handy shaker top carton price, 50c; doz., \$4.20; per case of 24 cartons, \$8.00; 4-lb. pkgs., per case of 12, \$8.64.

**ACME ALL ROUND SPRAY.** 1 lb. package retails at \$1.10, per case of 24, \$17.76; per doz. packages, \$9.00; 4 lb. package retails at \$3.50; 6 for \$14.40.

**ACME 6% CHLORDANE DUST.** For dusting in gardens and on lawns to control ants, cut worms, chiggers, wire worms, etc. 1 lb. sifter top carton retails each 60c, per dozen, \$5.00; per carton of 24, \$9.60; 4 lb. bag retails at \$1.50; 6 for \$6.30; carton of 12, \$12.00.

**ACME RED RIVER POTATO MIX WITH D. D. T.** A special formula for potatoes. 1-lb. bags, doz., \$6.80; carton of 24 bags, \$13.44; 4-lb. bags, \$2.10; six for \$11.40; carton of 12 bags, \$22.56.

**ANT KILLER.** Master 1/2-oz. bottles, doz., 75c; 2-oz. doz., \$2.00.

**ACME STOP TEE BANDING COMPOUND.** 1 lb. retails at \$1.05; per doz., \$8.70; per case of 24, \$16.80; 7 1/2 lb. can, each \$4.50; 4 for \$16.65.

**BLACK LEAF 40.** Oz. bottles, doz., \$2.95; carton of 24, \$5.58; 5-oz. bottles, doz., \$8.55; 1 lb., \$2.25 each; 2 lbs., \$3.25 each; 5 lbs., \$7.90 each; 10 lb. can, \$12.65.

**DOGGOFF.** Keep dogs and other animals away from trees, shrubs, evergreens, etc. Bottle, 75c; doz., \$6.00; gross, \$64.80.

**DU PONT FRUIT TREE SPRAY, Insecticide and fungicide.** 1 lb. canister retails at \$1.15, carton of 12, \$8.65; 3 lb. bags retail at \$2.75, carton of 8 bags, \$13.75.

**DU PONT FLORAL DUST.** Kills insects and stops diseases. 8 oz. dust gun retails at 79c, carton of 2 dozen, \$12.80; 1 lb. canisters retail at \$1.15, carton of 12, \$8.65; 4 lb. canisters retail at \$3.50, carton of 6, \$14.00.

## CHEMICAL WEED KILLERS

**NEW IMPROVED WEEDONE.** Contains 2, 4-D plus 2,4,5-T. With this combination of weed killers you can keep your grounds free from almost any unwanted plant growth. This newest improved Weedone will control Willow, Locust, Sumac, Poison Oak, Poison Ivy, and other woody weeds. 8 oz. covers 1500 sq. ft., retails at \$1.00, per case of 36, \$21.60; qt. cans retail at \$2.75, per case of 12, \$19.80; gallon retails at \$6.95, per case of 6, \$29.19; 5 gallons retails for \$25.00, each \$20.00.

**WEEDONE BRUSH KILLER 32.** Butoxy Ethanol Ester Formulation 2,4-D acid equivalent, 1 1/2 lbs. per gallon. 2,4, 5-T acid equivalent, 3/4 lbs. per gallon. Price, per gallon, \$9.25; case of 6 gallons, \$52.50; 5 gallons, \$41.75; 54 gallon drum, \$410.40.

**WEEDONE CONCENTRATE 48.** Contains approximately 39% ethyl ester, or 3 lbs. (48 oz.) of 2,4-D acid equivalent per gallon. 1 gallon cans each \$5.89; 5 gal. cans, each \$28.20.

**WEEDAR 64.** Contains approximately 68% of the alkalamine salt of 2,4-D or 4 lbs. (64 oz.) 2,4-D acid per gallon. 1 gallon cans, each \$5.90; 5 gal. cans, each \$28.25.

**ZOTOX CRAB GRASS KILLER.** Kills Crab Grass without permanent injury to lawn. 8 oz. bottle retails at \$1.00, per carton of 12, \$7.20; 16 oz. retails at \$1.50, per carton of 12, \$10.80; 32 oz. retails at \$2.50, per carton of 6, \$9.00; 5 lb. size, retails at \$4.50, per carton of 2, \$5.40.

**DU PONT VEGETABLE GARDEN DUST** for control of bean, potato, and Japanese beetle and many other insects. Also a safe fungicide. 8 oz. dust gun retails at 79c, carton of 24, \$12.80; 1 lb. canisters retail at \$1.15; carton of 12, \$8.65; 4 lb. canisters retail at \$3.50, carton of 6, \$14.00.

**DU PONT ROSE DUST** Stops Foliage Diseases. 8 oz. dust gun retails at 69c, carton of 2 dozen, \$11.00; 1 lb. canisters retail at \$1.00, carton of 12, \$7.50.

**EVERGREEN.** A pyrethrum spray. Price, 1 oz., doz., \$2.80; 6 oz., doz., \$9.25; gals., each, \$12.60.

**GARDEN BUG BLASTER.** New garden dust gun containing 7% copper, 3/4% Rotenone, 10% sulphur, and 2% D.D.T. Retails at \$1.98 each, complete with dust and 2 pounds of above formula. Price per carton of 24, \$29.76. Refills for Bug Blaster. 2 lb. retails at \$1.29; case of 12, \$9.72.

**MCCORMICKS RED ARROW.** Rotenone dust. 2 lb. pkg., 45c; Retails at 60c; carton of 12 pkgs., \$4.80.

**NICOTINE PYROX.** 20-oz. jars. Doz., \$5.40; carton of 24, \$9.60; 5 lbs., \$2.00; case of 8, \$12.60; 25-lb. drum, \$6.50; 50-lb. drum, \$11.50.

**OPTOX.** A well balanced Rotenone-Pyrethrum spray. 1 oz. bottles retail at 35c each; per dozen, \$2.70; 6 oz. retails \$1.25 each; per dozen, \$10.00. Quarts each, \$3.70; gallon each, \$12.00; 5 gallons, \$52.50; 30 gallons, \$225.00; 55 gallons, \$462.00.

**PYROX.** Combination insecticide and fungicide. 25 lbs., \$5.75; 50 lbs., \$9.00.

**ANTURAT PASTE (5% Antu).** 2 oz. canister retails 35c; price per dozen, \$2.52; 4 oz. tube retails \$1.00; price per dozen, \$7.20.

**RATU (25% Antu).** 2 oz. canister retails 60c, price per dozen, \$4.32.

**RED ARROW GARDEN SPRAY ROTENONE.** 1-oz. bottles, carton of 24, \$5.40; 4-oz. bottles, doz., \$8.00; pint, \$2.50; qt., \$3.60; gal., \$12.15; 5 gals., \$56.75.

**RED ARROW.** 3/4% Rotenone Dust. 5 lb. bags each, \$1.10; 6 for \$6.60.

**SLUG SHOT, Hammond's.** An insecticide for destroying chewing insects. Doz., 1-lb. pkgs. for \$3.50; carton of 24 pkgs., \$6.72; 5-lb. pkgs., 12 for \$13.20; 25-lb. bag, \$5.00; 50-lb. bag, \$9.50.

**TREE TANGLEFOOT.** 1 lb. cans, per dozen, \$10.00; 5 lb. cans, per case of 6, \$23.40; 25 lb. pails, each \$20.00, 3 for \$49.50.

**WETTABLE DUSTING SULPHUR.** Put up in attractive 2-lb. cans, which retail at 55c each. Per case of 12, \$4.68.

## HERBICIDE

### THE WEED EXTERMINATOR



For ordinary grass and weeds, each part of Herbicide may be diluted with forty to fifty parts of water. One gallon will cover approx. 2,500 sq. ft. Herbicide is a poison. Livestock should be kept off the treated ground until the dead leaves wither away. Qt., 85c; gal., \$2.00; 5 gals., \$7.50; 55 gals., \$42.00.

**NOTT'S SEL-TOX.** New Selective Crab Grass Killer. It contains phenol mercuric acetate solubilized, which kills crab grass without injuring lawn grasses. Though a poison, it is mixed with water 100 times its bulk, and is easily handled with safety. Apply with watering can or sprayer.

Quantity	Area Treated	Retail Price
8 oz.	1,000 sq. ft.	\$1.00 Per Doz., \$ 7.20
16 oz.	2,000 sq. ft.	1.50 Per Doz., 10.80
Quart	4,000 sq. ft.	2.50 Per Doz., 18.00
Gallon	16,000 sq. ft.	\$9.00 by exp. collect.

**DUPONT AMMATE WEED KILLER.** (Ammonium Sulfamate). A non-poisonous vegetation killer which can be applied by hand or power sprayer or dry. Will kill poison ivy, poison oak, poison sumac, dandelions and plantain. Use 3/4 to 1 lb. to a gallon of water. Price, 2 lb. bottle \$1.00; 6 lb. jar, \$2.70; 50 lb. drum, \$13.00.

**CUPRINOL NO. 14 FOR FLORISTS.** Recommended for general use in wood preservation around the greenhouse for stakes, flats, benches, etc. Covers approximately 400 sq. ft. Brush applied. May also be used for dipping. Price, 5 gals. for \$14.25; 50 gal. drum, \$132.50.



**CUPRINOL WOOD PRESERVATIVE EXTRA STRENGTH.** Recommended for brush application for permanent structures. Price per gallon, \$4.70; 5 gallons, \$22.00; 50 gallon drum, \$210.00.

**CUPRINOL FOR FABRICS.** Prevents fabrics such as shading cloth from rotting and mildewing may be swabbed on, dipped or fogged on with any type sprayer. 1 gal., \$3.85; 5 gals., \$17.75.

## D. D. T.—Yamtox

DDT Yamtox contains rotenone necessary for the control of red spiders and other mites, thrips and aphids. Also 5% DDT for control of tarnished plant bug and leaf rollers. Price per gallon, \$12.00; case of 6—1 gallon cans; \$11.00 per gallon.

## PLANT HORMONES

**BULB PROTECT.** Protects bulbs against rodents and fungi. 1 1/2 oz. pkg., 35c; doz., \$2.52; 16 oz. pkg., \$1.75; doz., \$12.60; 5 lb. pkg., \$5.00; 25 lb. drum, \$15.00; 100 lb. drum, \$57.00.

**SEED-PROTECT.** Protects corn, many varieties of seeds from fungi. 2 oz., 35c; doz., \$2.52; 16 oz., \$2.00; doz., \$14.40; 5 lbs., \$6.00; 50 lbs., \$52.50.

**FRUIT-HOLD.** Prevents premature drop of fruit. Contains alpha naphthyl acetic acid. Will not spot fruit, mixes easily and leaves no objectionable residue. 3/4 oz., 50c; doz., \$3.60; 2 oz., \$1.00; doz., \$7.20; 8 oz., \$3.75; 1 lb., \$7.50.

**ROSETONE.** A combination of Hormones and Vitamins. Soak roots of bushes in Rosetone before planting. Water your established rose bushes for better growth. 1/2 oz. package retails at 25c, per Display Carton of 72 packages, \$12.00; 3 oz. retails for \$1.00, per Display Carton of 36, \$24.00.

**VITAMIN B-1 TABLETS.** Each tablet makes 2 to 7 gal. Packet retails, 25c; doz. pkt., \$1.80. 100 tablet bottle, 50c; doz. bottles, \$3.60.

## ROOTONE

A Hormone powder easy to use; anyone can apply safely; no skill is needed to apply; Rootone—no measurements, no vials, no elaborate charts to follow—just dip and plant. Price, 1/4-oz. pkt., 25c; doz., \$2.00; 2-oz. jar, enough to treat 3,000 cuttings, \$1.00; doz., \$8.00; 1-lb. jar will treat up to 30,000 cuttings, \$5.00. Write for leaflet, all postpaid.

**ROOTONE No. 10.** For slow to root evergreen cuttings. 2 oz., each, \$2.00; 1 lb., each, \$10.00.

**TRANSPLANTONE.** For treatment of transplants of all kinds, it contains the root forming hormones, vitamin B-1 and other members of the vitamin B complex, which are important in plant growth. 1/2-oz. pkt., each, 25c; doz., \$2.00; 3 oz., \$1.00; doz., \$8.00; 1 lb., \$4.00.

**FRUITONE.** The hormone spray for stopping preharvest drop of apples and other fruits. Also reduces drop of flowers and leaves. 2 1/2 oz. pkt., dozen, \$2.00; retails at 25c per pkt.; 2 oz. (makes 25 gal. spray); \$1.00; doz., \$8.00; 1/2 lb., \$1.75.

Write for price on larger quantities.

**HORMODIN POWDER.** Combination package. No. 1, 2, 3, in one carton. Price 75c; doz., \$6.00. No. 1 Powder 1 1/4-oz. tin, each, 50c; 1 lb., \$3.00. No. 2 Powder 1 1/4-oz. tin, each, 75c; 1 lb., \$4.50. No. 3 Powder 1-oz. tin, each, \$1.00; 1/2 lb., \$4.50.



## SEASON'S BIGGEST BARGAIN!—While They Last

Nationally Advertised 2,4-D Barweed Brand  
Case of 24 \$1.00 Bottles, for \$6.00 (25c each)

Each \$1.00 bottle contains 8 fluid ounces, full strength (over 16% 2,4-D content) Ester type, most effective form of this chemical.

This will make hot leader at 49 cents, but there is no restriction on the price at which you can re-sell this bargain.

Barweed bottles are brand new merchandise, packed in original cases; and your orders will be filled in any quantity as long as our supply holds out. We advise that you get your share of this bargain without delay.

## SEED-LESS-SET HORMONE SPRAY

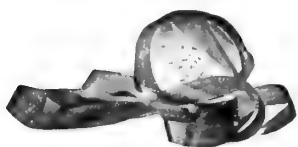
(NEW CONCENTRATE)

A new scientific development insures "set" of first tomato flowers which usually fall off during early spring; eliminates seeds; causes weeks earlier ripening; increases yield and size of fruit; pollinates self-sterile plants. 1/2 oz. makes 1 gal. each, \$1.00; per doz., \$7.20. 2 oz. makes 4 gal. each, \$2.50; per doz., \$18.00. 8 oz. makes 16 gals. each, \$7.50; six for \$30.00. 20 oz. makes 40 gals. each, \$12.50.



## Ribbons and Chiffons

We offer only the best grades especially adapted for Florists' use, but can also supply other grades not listed.



**Pattern Alita No. 5.** A fine quality ribbon, excellent for tying mats and crepe paper around pots, also used for making bows, baskets and wreath work. Can also be used for corsages. Comes in all colors. 50 yard bolt, Each \$1.25. Box of 20 bolts for \$23.00.

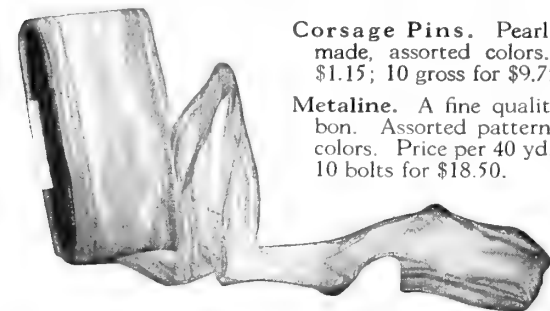
**Pattern Alita No. 3.** Corsage ribbon in all colors. 50 yard bolt Each \$1.00. Box of 20 bolts for \$18.00.

**Pattern Empire No. 5.** A good quality pot tie ribbon. 50 yard bolt, Each \$1.10. Per box of 20 bolts \$20.00.

**SHOWER RIBBON Pattern Glamour No. 2.** Embossed edge best quality satin shower and corsage ribbon. Comes in white and pink. 50 yard bolt, each, 95c. 10 bolts for \$9.00.

**Pattern Glamour No. 3.** Finest quality corsage ribbon. 50 yard bolt, each \$1.10. 10 bolts for \$10.00.

**No. 5.** 50 yard bolt, each, \$1.45. 10 bolts for \$13.50



**Corsage Pins.** Pearl heads, finest made, assorted colors. Per gross, \$1.15; 10 gross for \$9.75.

**Metaline.** A fine quality spray ribbon. Assorted patterns in popular colors. Price per 40 yd. bolt, \$1.95; 10 bolts for \$18.50.

**Tinsel Ribbons.** Silver or gold No. 2 width per bolt \$1.30; 5 bolts for \$6.25; No. 3 width per bolt \$1.50; 5 bolts for \$7.00.

**No. 1 1/2 Baby Ribbon.** Any color. Spool of 100 yards, \$1.50, doz., \$16.80.

**Ribbonzene Crinkle Baby Ribbon No. 1.** For tying cards. All colors. 500-yard spool, \$1.35; 10 spools, \$12.50.

## MOSS FILLED WREATHS AND DESIGNS

Machine made Sphagnum Moss filled designs always ready to use. NET Prices.



### Spray Bars

Length	Each	Length	Each
3 1/2 ins. wide, 2 ins. thick			
8 ins.	\$0.22	18 ins.	\$0.39
10 ins.	.25	20 ins.	.43
12 ins.	.27	22 ins.	.47
14 ins.	.29	24 ins.	.50
16 ins.	.33	30 ins.	.55

### Spray Bars

Length	Each	Length	Each
4 1/2 ins. wide, 2 1/2 ins. thick			
18 ins.	\$0.56	36 ins.	\$0.92
24 ins.	.67	42 ins.	1.04
30 ins.	.81	48 ins.	1.14

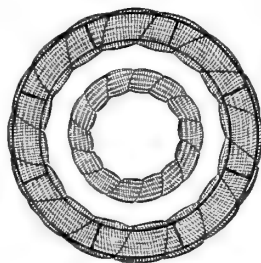
### Spray Bars

Length	Each	Length	Each
6 ins. wide, 2 1/2 ins. thick			
24 ins.	\$0.82	42 ins.	\$1.23
30 ins.	.93	48 ins.	1.55
36 ins.	1.06		

### Crosses

Size	Each	Size	Each
18-in.	\$0.71	30-in.	\$1.29
20-in.	.79	33-in.	1.45
22-in.	.88	36-in.	2.03
24-in.	.99	42-in.	2.82
27-in.	1.11	48-in.	3.28

Prices subject to change without notice



### Wreaths

Size	Each	Size	Each
10-in.	\$0.32	24-in.	\$0.85
12-in.	.37	27-in.	1.06
14-in.	.44	30-in.	1.38
16-in.	.52	33-in.	...
18-in.	.59	36-in.	...
20-in.	.68	42-in.	...
22-in.	.75	48-in.	...

We have a limited supply of wire designs, wire baskets, easels and wreaths, and will fill orders while the supply lasts.

**GRASS MATS—Raffia.** Green finest quality 36 inches wide 72 inches long. Each \$4.25. Three for \$12.25.

**RUBBER APRONS—Black light weight.** Each, \$3.50.

Order Early as the Above Prices are Expected to Advance.

ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE. WHERE THERE IS A NORMAL ADVANCE WE WILL FILL AND BILL AT PREVAILING PRICES.

25¢ FOR 3 CAPSULES

18 CAPSULES FOR \$1.25

PROTECT AND FEED with



**KAPSULATE**

FEEDS the PLANTS

PROTECTS (Kills or Repels)

Many INSECTS such as

- AFRICAN VIOLET MITE
- RED SPIDER
- APHIDS
- MIDGE AND 71c THRIP, ETC.

ON

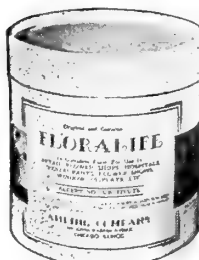
**African Violets**  
and  
OTHER FLOWERS AND PLANTS

AFRICAN VIOLET "LUCY'S BLUE GIRL"

Just place KAPSULATE on the potted soil

Use KAPSULATE once every 1 month and Feed KAPCO Liquid Fertilizer every 2 weeks

KAPSULATE on Colorful Display Easel Containing 36, 25c pkgs., and 2, \$1.25 cartons, (Retail Value, \$11.50) Price, \$6.90.



Use original, patented FLORALIFE! Bring customers back for more of your cut flowers because they last 5 to 10 days longer! Blossoms hold color and fragrance. No need to change water or to re-cut stems. Opens buds extra wide!

### BULK SIZES

FLORALIFE sells on sight at 10c to all flower lovers. A fine profit for you. Packet prices in cartons; 25 2-qt. size, \$1.25; 100 2-qt. size, \$5.00.

Enclose a packet with each sale. And put it in your vase-flower orders. Also in your stock pots. FLORALIFE makes flowers, under refrigeration, last weeks longer.

### FLORALIFE IN BULK

30-qt. size (\$1 retail)	\$ 0.60
100-qt. size (\$3 retail)	1.75
250-qt. drum (10 lbs. net)	4.00
500-qt. drum (20 lbs. net)	7.50
1000-qt. drum (40 lbs. net)	13.50
2000-qt. drum (80 lbs. net)	25.00

**FLORAGLOW.** Beauty treatment for pot plants. Just spray or wipe on. Instantly produces beautiful and lasting luster, yet looks natural.

Per case of 24—6 oz. bottles, 18 lbs.	\$ 6.50
Per case of 24—6 oz. spray tops for above	3.00
Per case of 12—32 oz. bottles, 40 lbs.	10.10
Per gallon, for florist use, each	2.00

**FLORAWAX.** To prevent wilting of arrangements and greens of all kinds. Spray or dip flowers. Per gallon, \$2.50; 5 gal. drum, \$10.00.

**SNO-PAK.** The ideal floral base. Keeps flowers fresh. Saves labor, wire, picks. Useful in great number of arrangements.

Per case of 24 bricks (Regular) 6 lbs.	\$12.96
Per case of 48 bricks (Jumbo) 8 lbs.	23.04



Counter Display

## SPHAGNUM AND SHEET MOSS

**VAUGHAN'S  
CLEAN SPHAGNUM  
FOR FLORISTS**

**Burlapped Bales**

### SPHAGNUM MOSS.

Bright, clean, new growth, free from brush or grass, is being worked out in Wisconsin district. We quote L. C. L. lots as follows:

**Bales.** (45 x 14 x 16 inches). F. O. B. Wisconsin Points, For carloads, write us.

Prices Subject to Change Without Notice.

1 to 5 bales	Each, \$2.75
6 to 10 bales	" 2.60, 10 Bale lots, \$2.15
11 to 24 bales	" 2.50, 25 Bale lots, 2.00
New York Prices 60c per bale higher. Cartage Free.	
Sheet Moss green, Extra fancy large sacks for Windows, Baskets, etc. Per sack, \$2.75; 3 sacks, \$8.00.	

F. O. B. Chicago

F. O. B. Woods



# Vaughan's High Grade Fertilizer

The highest grade only. Guaranteed analysis. Prices net cash. F. O. B. Chicago.

The Yield and Quality of Vegetables and Flowers Depend Upon Continuous and Rapid Growth

**ACTIVO (Formerly Bacto).** Make your own fertilizer easy, quick—often in as little as three weeks. Odorless! Organic! Just sprinkle Activo on kitchen waste, leaves, garden rubbish, sewage sludge, etc. Sprinkle in outdoor toilets, reduces odors, makes easily handled ash of waste. No. 2 size \$1.00; treats 450 lbs. compost. Carton of 6, \$4.00; dozen, \$7.20; No. 7 size, \$2.00; treats up to 1800 lbs. Carton of 6, \$7.80; doz., \$15.00; No. 25 size, \$4.95; three for \$12.60; treats up to 3 tons compost. No 50 size treats up to 6 tons compost \$8.25

**ADCO ARTIFICIAL STABLE MANURE.** 5 lbs., \$1.25; carton of 10 pkgs., \$11.40; 20-lb. bags, \$2.70; 150-lb. bags, each, \$13.95

**ALUMINUM SULPHATE.** For creating acid condition in the soil. 25 lbs., \$1.60; 50 lbs., \$2.75; 100 lbs., \$3.95; 200 lbs., \$7.70.

**BONE AND BLOOD.** For garden crops use 500 lbs. per acre. 50 lbs., \$3.50; 100 lbs., \$6.25; 500 lbs., \$30.50; 1000 lbs., \$60.00.

**BONE MEAL.** Regular or Standard Grade 5 lb. pkg. doz., \$6.00, 10 lbs., pkg. doz., \$10.20; 25 lbs., \$1.75; 50 lbs., \$2.95; 100 lbs., \$5.25; 500 lbs., \$24.50

**CATTLE MANURE, Shredded.** High grade natural fertilizer. 100 lbs., \$2.75; 500 lbs., \$13.00; 1,000 lbs., \$25.00; 2,000 lbs., \$49.00

**CHARCOAL.** Put up in 50 lb. bags. We can supply all sizes from powder to lump. Per bag, \$3.25. Write for price on larger quantities.

**ORG-A-NUR.** Fertilizer with a peat moss base impregnated with a high grade manure. 50 lb. bag for \$31.85; 5 bags, \$8.50; 10 bags, \$16.00

**FEEDZ AN' WEEDZ.** With this dry mixture you can kill lawn weeds and stimulate lawn grasses to fill places left vacant, all in one operation. A way has been found to mix a balanced plant food, 6-10-4, with the selective weed killer, 2,4-D, so that both retain full effectiveness. Use a fertilizer spreader to apply to the lawn, at the rate of 1½ pounds for 100 square feet. If your spreader requires it, mix in sand to help spread evenly, and be sure the grass is dry. Wash it in with the hose, as with any dry plant food. 10 lbs., covers 600 square feet, retails at \$1.85; carton of 6 packages, \$6.60; 25 lb., covers 1,500 square feet, retails at \$2.95; 4 for \$7.40; 100 lbs., \$6.75.

**ELECTRA. Analysis 4-9-3.** A high organic plant food for feeding, forcing and finishing. It should be used in potting soil as a top-dressing. Helps bring plants to highest perfection. 25 lbs., \$2.75; 50 lbs., \$4.25; 100 lbs., \$6.75.

Write us for prices on larger quantities.

**FULTON'S PLANTABBS.** Odorless plant food in tablet form; supply a complete balanced plant food including Vitamin B-1. Put up in boxes. Ceiling prices, 10c size, doz., 75c; 25c size, doz., \$2.00; 50c size, doz., \$4.00; 1.00 size, doz., \$8.00; \$3.50 size, each, \$2.50. Special discount of 5% on orders totaling \$6.00.

**GRANULATED PEAT MOSS (Imported).** Per large bale, \$4.50; 5 bales for \$21.25. Write for quantity lot prices. Garden size bales, each, \$1.95; 10 bales for \$18.75

**HORN SHAVINGS.** Synthetic quick-acting and lasting. 25 lbs., \$2.50; 50 lbs., \$4.00; 100 lbs., \$7.50; 500 lbs., \$35.00. Write for prices on larger quantities.

**HORN SHAVINGS.** The regular old type shavings. 25 lbs., \$3.95; 50 lbs., \$7.45; 100 lbs., \$13.50.

**HYPONEX.** Contains all of the known major and minor elements of plant food with vitamin B-1 added. Analysis 7% Nit. 6% Phos. 19% Pot. Ceiling prices. 1 oz. packet makes 6 gals. Retails at 10c price per carton of 72 pkts. \$4.80; 3 oz., retails for 25c. Doz., \$2.00; 1 lb. retails for \$1.00. Doz., \$8.00; 10 lbs., \$5.34; 25 lbs., \$10.00; 50 lbs., \$16.67; 100 lbs., \$26.67.

**HIY-GRO PLANT FOOD.** Famous 13-26-13 soluble formula and starter solution. Produces healthier growth and heavier yields—speeds earlier growth of seeds—checks wilting of transplants. Contains growths, hormones, minerals and other plant nutrients—provides all the food necessary for healthy plant growth. This formula was not obtainable during the war. 3 oz. glass jars retails at 40c, packed 24 to carton, price per carton \$6.00; 20 oz. jar retails at \$1.10, packed 12 to carton, price per carton \$8.65; 10 lb. container each \$4.75; 25 lbs., \$7.75; 50 lbs., \$12.75; 100 lb. drum each, \$25.00

**LOMA ANALYSIS 5-10-5.** A scientifically prepared plant food for flowers, vegetables and potted plants. Prices, 5-lb. carton, 12 in case per case, \$3.60; 10-lb. bags, 10 in a sack, per sack \$5.60; 25-lb. bags, 4 in a sack, per sack, \$4.68; 50-lb. bags, 2 in a sack, per sack, \$3.84; 100 lb. bag, \$3.15; 500 lbs., \$15.00; 1,000 lbs., \$30.00; 2,000 lbs., \$60.00. On orders for 500 lbs. or over, \$10.00 per ton freight allowance on direct shipment from fertilizer plant at Lockland, Ohio

**LOMA, Mineralized 8-8-8.** Price per 100 lb. bag \$5.30; 25 lb. bags, price per bale of 4 bags, \$6.60; 500 lb. lots, prepaid

**SHEEP MANURE. Vaughan's Pulverized.** Pure, dry, finely ground. 25 lbs., 90c; 50 lbs., \$1.40; 100 lbs., \$2.60; 500 lbs., \$12.50; 1,000 lbs., \$24.00; 2,000 lbs., \$47.00.

**SUPERPHOSPHATE.** 20% available. Ceiling prices, 80 lbs., \$2.00; 480 lbs., \$10.00; 960 lbs., \$19.50



**SPECIAL BALANCED ROSE FOOD.** 7-8-5. An organic, no filler, 100% plant food of dried blood, fish scrap, bone meal, potash, cottonseed meal and phosphate. This is a special mixture for growing roses and is a balanced, all-purpose fertilizer which can also be used on all flowers, shrubbery, etc. This type mixture has been used by commercial growers and florists for many years and has given excellent results. 5-lb. bag retails for 85c, price, per carton of 12 packages, \$6.00; 10-lb. bag retails for \$1.35, price, per carton of six, \$5.40; 25-lb. bag, \$2.00 each, six for \$11.40; 100-lb. bag, \$6.45 each, five for \$31.00.

**"PLANT LIFE" (NEW)** A well-known liquid fertilizer for house plants. Prices, retails 25c per bottle; packed 24 in a display carton, \$4.00; 8 oz., 50c; carton of 12, \$4.00; gal., \$3.00

**PLANT FOOD. (15-30-15).** A water soluble fertilizer. Is beneficial to all types plants, ornamental or vegetable. The economical and safe way to feed plants. Price 10 lbs., \$4.50; 25 lbs., \$8.50; 50 lbs., \$11.45; 100 lbs., \$21.00.

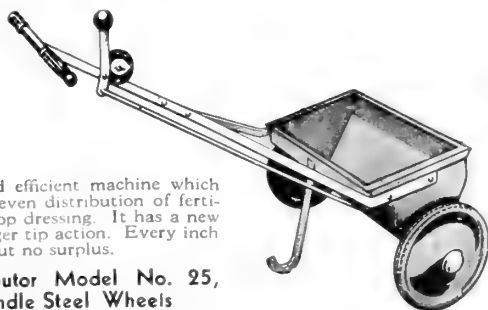
**UNIVERSAL ACID PLANT FOOD.** A specialty plant food for the more difficult acid loving plants. It creates an organic acid soil condition, is not toxic to roots. Promotes root growth and plant growth which permits growing, training and flowering with safety. Price per 100 lb. bag \$6.75

**VIGORO.** The complete plant food supplies all the elements necessary for growing plants. It is economical and easy to apply. Use Vigoro in your greenhouse. It will aid you in obtaining higher quality flowers and vegetables at lower costs, which means more profit for you. Sell Vigoro to your retail trade for use on flowers, lawns, ornamentals, vegetable gardens. It is nationally known. For House plants sell Vigoro Tablets, convenient to use. Write for free cutting charts and greenhouse culture book. Price, 100 lb. bag, \$2.90 each; 50 lbs., \$1.85; 25 lb. bag, \$1.05 each; 10 lb. bag, 6 per case, \$3.54 per case; 5 lb. bag, 12 per case, \$3.84 per case; 1 lb. bag, 32 per case, \$2.88 per case; 500 lbs. or more delivered free to your railroad station within 500 miles of Chicago Vigoro Tablets, 48 pkgs. per case, \$3.96



## FERTILIZER SPREADER

Will spread any kind of commercial fertilizer, grass seed or top dressing. Has new disc wheels, foot rest and selective feed control. 16 inch, hopper capacity about 20 lbs. Retails at \$7.50. Price each, \$5.75. Three for \$15.75 20 inch, hopper capacity about 40 lbs. Retails at \$11.50. Price each \$8.75 Three for \$24.15. 30 inch, hopper capacity about 80 lbs. with rubber tire wheels. Retails at \$17.50. Price each, \$13.95. Super Heavy 36 inch, hopper capacity over 100 lbs. Retails at \$35.50. Price each, \$25.95



**Home Lawn Distributor Model No. 25, With Wood Handle Steel Wheels**

Retails at \$8.95, price each, \$6.45; 3 for \$18.00 Model 25D same as above with rubber tires. Retails each, \$10.25, price each, \$7.50; 3 for \$20.50

Model M241, 24", retails at \$33.95, price each, \$24.50; 3 for \$67.90

Model M361, 36" retails at \$47.25, price each \$31.75

Model M361D, 36" with rubber tires, retails at \$53.25, price each, \$37.50

M-361SD 36" Stainless Steel, agitator bottom and semi-pneumatic tires, retails at \$63.95, price each, \$48.00; 3 for \$128.00.

## HOZON FERTILIZER APPLICATOR

(Fertilizes as you Sprinkle)

Make fertilizing as easy as sprinkling your lawn. Fertilize through your hose. Mixes the right amount of ammonium sulphate, nitrate of soda, potash or any soluble fertilizer with the water with which you sprinkle your lawn. One end screws into the faucet, the other end takes the hose, the small tube drops into the bucket of fertilizer. Made of die cast metal. Price, \$1.75; postpaid, \$1.85.



## TERRA COTTA GRASS GROWING HEADS

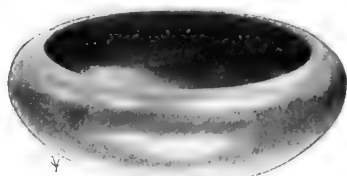
Heads should be soaked in water for 24 hours; also soak seed in separate dish over night. Fill the head with water and spread the seed very thickly all over head. Keep head filled with water at all times. In warm temperature seed may appear to be dry, if so, spray lightly with water using care not to wash seed off head. Keep in a saucer to protect the furniture.

We can supply "Sunny Jim," with seed, per doz., \$3.60, packed 24 to a carton at \$7.00 per carton. Retail at 50c each.

We can also supply the larger heads. "Buddy" with seed at doz., \$4.80, per carton of 24, \$8.75. Retail at 60c.



## Bowls For Growing Bulbs



**No. A. Pottery Bulb and Flower Bowl Assortment.** This assortment consists of the following: 15-6" bowls, 15-7" bowls and 6-8½" bowls. The assortment comes in assorted colors of yellow, blue, old rose and green. Price per complete assortment \$25.20

**F. L. Style Pottery Bowls, in Blue, Yellow, Old Rose and Green.**

6½-in. diam., doz., \$6.60; 7½-in. diam., doz., \$7.80; 8½-in. diam., doz., \$10.20.

### Pearl Chips and Prepared Fibre

For growing Bulbs in Bowls and Pots.

**Bulb Fibre.** Prepared for growing Bulbs in bowls at 10 lbs., 95c; 25 lbs., \$1.85; 100 lbs., \$5.35.

**Pearl Chips, White,** for growing Bulbs in bowls at \$3.95 per 100 lbs.

**Pearl Chips, Colored,** \$3.95 per 100 lbs.

Write us for prices on larger quantities.

Place orders early to insure getting desired colors.

### No. FS21 GARDEN CRAFT FEEDING STATION

This is one of the most successful and appreciated bird feeders. It is equipped with a spindle for mounting, and the double weather vane keeps the sheltered end headed into the wind, thus keeping the food dry in rainy or snowy weather.



Size 24x12x12. Shipping weight 16 lbs.  
Price stained brown ..... \$ 7.20  
Price stained with glass back ..... 9.00  
Erection Post bored for mounting rod ..... 2.50  
Shipped by express, charges collect.

### AUTOMATIC BIRD FEEDERS

(Patented)

An economical feeder for all kinds of seeds, cracked corn or other small food.

If filled with sunflower seeds, it unfailingly attracts Cardinals, rose-breasted Grosbeaks, Finches and many other large as well as small pretty birds all year round.

Birds enjoy swinging with the feeder. Each, \$2.75; 6 for \$12.00.



### WREN HOUSE No. 16



This time tested step-kut house is designed to meet the needs of birds, the steps help nestlings to reach the exit, bottom removable for cleaning. Price, stained brown, each, \$2.00; 6 for \$10.20.

**Blue Bird House No. 5** similar to the above, stained brown, \$1.50; 6 for \$7.20.

### ROBIN ROOST No. 4



Robins will not occupy a nesting box, but insist on a covered sheltered shelf which allows them to see on at least three sides. Stained brown—each, \$2.25; 6 for \$10.80.

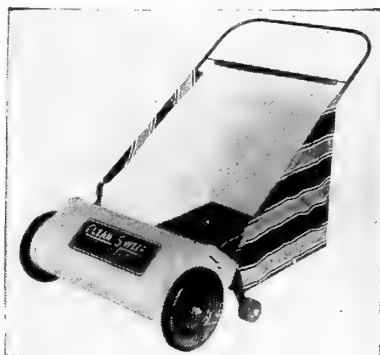
## RODENT ROCKETS



### ...THE EASY WAY

Novel, effective destroyers; strike like a match and blitz out whole families of gophers, moles, rats, field mice, ants, etc., at one "shot." Safe, sure, efficient aids to hunters in "un treeing" holed-up woodchucks, raccoons, etc. 2 for 25c; dozen, \$1.10.

Packed two dozen to an attractive display carton, weight 2½ lbs. Invaluable in Nursery and Greenhouse. Price per carton of 24 rockets, \$2.00; six cartons for \$10.80.



### 28 INCH DELUXE LAWN SWEEPER

The modern style Clean Sweep for yards, lawns, walks, driveways, parks, golf courses, etc. Pressed steel rubber tire wheels 10½" diameter, roller bearing, 28" wide, 9" diameter tough bassine fibre bristle adjustable brush. Axle rides on lubricated ball bearings. Shipping weight 40 lbs. Completely assembled except for handles and hopper. Shipped in one carton. Price each, \$37.50; 20 inch, price each, \$24.50.



### GENIE PLASTIC BOX PLANTER

A new two-tone planter with perforated water tray that works like magic and reduces watering to once a week. Assorted contrasting color combinations, Red, Copper and Blue. Individually boxed in an attractive 3-color combination. Packed 1 dozen assorted colors to a carton. Weight 8 lbs., size—8 in. long, 4 in. wide, 4 in. high. Price, per carton of 12, \$9.00



### KNEE PADS

All rubber cushion pads constructed of solid and sponge rubber with adjustable straps; fit any knee, will not slip during walking. Price, \$1.60; 3 for \$4.50



### KEMP IMPROVED POWER SOIL SHREDDER

Prepares any kind of soil, wet, dry, or stony — for any purpose. It reduces time and labor costs from 30% to 50% over old methods; makes manure and fertilizer go further. A Kemp Shredder usually pays for itself during the first year of use.

#### KEMP POWER SOIL SHREDDER No. 6

Shredding heavy, wet compost made from sod and manure. Designed especially for the small grower.

Low in price and economical to operate. Powered with a ¾ H.P. electric motor that can be plugged into any electric light socket.

For use also in potting shed for shredding soil for use in flats and pots. Also a handy machine for shredding and mixing soil and manure on benches.

#### SPECIFICATIONS

Length.....	38"
Width.....	22"
Height at discharge end.....	36"
Height at hopper.....	33"
Weight.....	200 lbs.
Power.....	¾ H.P.
Capacity—either one or two men loading hopper.	

Parts having most wear, the hopper, top and deflector, made from steel

Machine shipped complete with motor and cord, ready to plug into socket and run.

Price of No. 6, complete, ready to run.....\$172.00

#### KEMP SOIL SHREDDERS

No. 6	Complete with ½ H.P. electric motor, 3 ft. of cord, mounted on truck with wheels.....	\$160.00
No. 6	Complete with 1½ hp. Briggs & Stratton gas engine, mounted on truck with wheels.....	\$160.00
No. 6	Complete, less engine or motor, mounted on truck with wheels.....	\$122.00
No. 1	Complete, with 1½ hp. electric motor, switch and 10' of cord, mounted on truck with wheels.....	\$470.00
No. 1	Complete with 2½ hp. gas engine, mounted on truck with wheels.....	\$460.00
No. 1	Complete, less engine or motor, mounted on truck with wheels.....	\$380.00
No. 1	Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels.....	\$380.00
No. 2	Complete, with either 6 hp. gas engine or 3 hp. electric motor, switch and 10' of cord, mounted on truck with wheels.....	\$565.00
No. 2	Complete, less engine or motor, mounted on truck with wheels.....	\$465.00
No. 2	Less engine or motor, belt or beltshield, but with pulley for operating with tractor, mounted on truck with wheels.....	\$420.00

#### ATTACHMENTS

No. 1	Peat attachments.....	\$ 20.00
No. 2	Peat Attachment.....	22.00
No. 1	Elevator attachments.....	185.00
No. 2	Elevator attachments.....	200.00
No. 1	Shaker screen attachments with either ¾", ½" or ¼" round holes.....	155.00
No. 2	Shaker Screen attachments with either ¾", ½" or ¼" round holes.....	170.00

Rubber tired wheels for No. 6, \$10.00 extra. Extension cord for No. 6 Electric, 25c per ft. Extension Cord for No. 1 Electric, 30c per ft. Rubber tire Nos. 1 and 2, \$30.00.

(F. O. B. Erie, Pa.)

Prices for machines with electric motors are for A C Motor 60 cycles, 1 and 3 phase, 110, 220 or 440 volts.

### WICK-FED PLASTIC POTS

4 inch diameter in following shades—ivory, yellow, red and pink with black base. Retail each at \$1.00; per dozen, \$7.20.

5 inch, retails at \$1.50; per doz., \$10.80.



Prices subject to change without notice.

# WREATH AND BOUQUET MATERIAL



**GYP SOPHILA**

**GYP SOPHILA (Baby Breath).** Pure White Flowers. Full large bunches. Per bunch, \$1.15; 10 bunches for \$11.00.

**COLORED GYP SOPHILA.** Rose Pink, Lavender, Green, Yellow, Blue, Gold and Red. Per bunch, \$1.85; 5 bunches for \$8.50.

Prices subject to change without notice.



**No. 610 WAX PAPER ROSES.** Natural imitation, on short wire stem; colors, red, pink, white, yellow. Packed 200 to box. Per box, \$7.50.

**No. 553 RED LACQUERED POINSETTIAS.** Made of red lacquered paper, about 4½ inches in diameter, 8 petals, on 3½ inches wire stem. 1 doz. to a bunch, doz. 75c; gross, \$6.75.

**CELLULOID POINSETTIAS.** Short stem, 5 petal 4½ inch diameter. Price, per 100, \$4.25; 500 for \$20.00; 7 inch diameter, per 100, \$6.25; 500 for \$29.00.



**OAK SPRAY**

**STATICE, for Basket and Wreath Work.** Natural 1 lb. 95c; 5 lb. carton, \$4.50, 10 lbs., \$8.00.

**WIRE RINGS.** For making wreaths  
10 inch, per 100 .....\$2.35  
12 inch, per 100 ..... 2.95  
14 inch, per 100 ..... 3.45

**No. 9C WAXED CARNATIONS.** Natural imitation, on wire stem colors, red, pink and white Packed 200 to box Per box, \$6.75

**OAK BRANCHES, Prepared, Brown, Red, and Green.**

Prices	Short	Long
10 lbs.	\$3.75	
25 lbs.	8.50	\$7.25

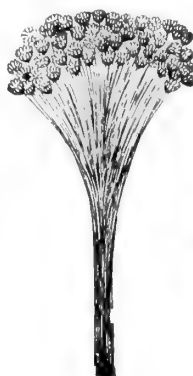
Specify color when ordering



**STATICE**



**CHRYSANTHEMUM**



**STAR FLOWERS**

**STAR FLOWERS (DIAMOND FLOWERS).**

Small natural dried flowers, dyed in a variety of colors, suitable for all kinds of floral and decorating work. Can be had in the following colors, red, green, pink, yellow, dark blue, light blue, purple, lavender, orange, cerise, brown, dubonet, orchid, salmon, autumn color and natural white. Packed 1 oz. to bunch, 16 bunches or 1 lb. to carton. Per carton, \$3.25.

**No. 5 PAPER CHRYSANTHEMUMS.** Short stemmed, made of Tissue Paper, about 5 in. in diameter, on short wire stem. Colors, white, yellow and orange. 4 doz. to box, per box of 48, \$5.00.

**LYCOPodium, Prepared and Green Dyed.** 5 lb. carton, \$1.85; 10 lb. carton, \$3.40, 25 lbs., \$7.50.

**TRANSPARENT RED LYCOPodium.** Price, 5 lb. carton, \$6.00; 10 lb. carton, \$11.00, 50 lb. carton, \$48.00. Write for prices on larger quantities.

**CRINKLEBUSH.** Silver Metallic, a fine lacy item used for a filler in making artificial wreaths. Very popular for silver decorations. Price, \$1.25 per lb., any quantity



**RUSCUS EEE GRADE**

Best quality, finest dye, per lb., \$1.25; 10 lbs., \$9.25; 25 lbs., \$23.50. Silver or Gold Ruscus, per lb., \$1.00.

**CHRISTMAS BELL CORSAGE.** No. 2 is about 3 x 4 inches in size, made of a 3-part green lacquered Holly Leaf, red Holly Berries, one small natural Pine Cone, two special shaped Bells, green Lycopodium, Stem covered with rubber tape and a red Ribbon Bow, making it a most attractive looking corsage. Price, per carton 3 dozen, \$6.00.

**CHRISTMAS BELL CORSAGE.** No. 5 is about 2½ x 3½ inches in size, made of a 3-part green lacquered Holly Leaf, red Holly Berries, one special shaped bell, stem covered with rubber tape and a red Ribbon Bow, making it also very attractive looking, only a little smaller in size than the No. 2. Price, per carton of 3 dozen, \$4.50.

**HOLLY BERRIES.** No. 86 Red Holly Berries on wire stems, per gross, 50c; 10 gross for \$4.50.



**CRINKLEBUSH**



**Vaughan's  
PREPARED LYCOPodium**



**BELL CORSAGE**

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NURSERIES,  
WESTERN SPRINGS, ILL.

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601-609 WEST JACKSON BLVD., CHICAGO 6, ILL.

CHICAGO LOOP STORE  
10-12 W. RANDOLPH ST.

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**TERMS OF PAYMENT.** To customers of approved credit, 60 days, except on goods always sold for cash, see other pages. **Special 2 percent** discount for cash in ten days from date of invoice (from these list prices only, not from "Special" mail quotations and excepting **net cash** items and flower seeds).

### DISCOUNTS ON FLOWER AND VEGETABLE SEEDS

CASH—Less than \$25.00, 5%; over \$25.00, 8%.  
CHARGE—\$5.00 to \$25.00, 3%; over \$25.00, 6%.  
If paid within 10 days of invoice, deduct an additional 2%.

**FIRST ORDERS** from a firm not having an account with us should come with cash remittance to cover, if merchandise is needed at once. If cash is not sent, supply bank and trade references and expect a few days delay while references are checked. Some individual name should be signed to all orders.

**ESTIMATE ORDERS.** These orders are held in file and just prior to shipment a detailed invoice will be sent. Upon our receipt of your check covering the invoice, merchandise will be shipped. Estimate orders enables you to receive cash discount and save you C. O. D. charges.

**POSTAGE** for parcel post shipment. The prices in this catalogue except on Flower Seeds are not prepaid. Include sufficient to cover postage with cash orders. Postage will be billed on charge orders.

PERISHABLE STOCK, are positively not sent C. O. D.

**WHERE SOLD.** Our stocks are sold F.O.B. Chicago, New York or Western Springs (unless otherwise stated) and we do not accept transportation risks after delivery in good order to express companies, railroads or steamship lines.

**ROUTING.** On each Order please give name of railroad you wish shipped by; there is no other sure way of correct routing. State distinctly if by **Mail, Express, Truck or Freight.** If no routing is given, we will use our judgment but cannot be responsible for any delay or over charges.

**INSURANCE.** We insure all orders for seeds for \$2.00 and over at buyer's expense, unless instructed not to do so.

### Discounts on Standard Retail Packets for Resale

In no case will a discount be allowed where the retail value of the order sent in at one time is less than \$1.00.

For orders for packet seeds to be placed in your stock and resold, discounts on prices in our SPRING RETAIL CATALOGUE will be given as follows:

25% on orders amounting to \$1.00 or more (for packets only) when less than 5 of a kind are ordered at one time.

30% on orders (for packets) from \$1.00 to \$5.00, when at least 5 of a kind are ordered.

40% on orders (for packets) for \$5.00 and over, when at least 5 of a kind are ordered.

None of these seeds are returnable. They are sold outright.

Postage is Prepaid on above Flower Seed Packets.

IMPOSSIBLE TO GUARANTEE CROPS.

VAUGHAN'S SEED CO., 'gives no warranty express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

**ADVANCE ORDERS** for roses, bulbs or seeds not yet grown or harvested are subject to prorata delivery in case of short crop.

**STATE QUARANTINES.** Plant regulations which may delay or damage plants are at customer's risk only. If your state imposes serious restrictions on plants shipped in, tell us.

**ORDERS FOR BULBS, ONION SETS and like perishable stock** which we book in advance of shipping date are accepted by us only subject to loss by fire, rot or other accident beyond our control; we do not guarantee to supply if so lost.

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VAUGHAN'S SEED COMPANY gives no warranty, express or implied, as to the productiveness of any seeds, bulbs or plants it sells; nor does it warrant fertilizers other than in respect to data required of the seller by statutes. It is expressly agreed that the limit of liability for all claims for loss or damages due to any cause shall be in a sum no greater than the invoice price of the goods and in no case shall it be responsible for loss or damage of the crop.

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	Date								
	Checked								
	No. Pkgs.								

[illegible]

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions. Effective Oct. 1, 1932.	First pound or fraction	Each additional pound or fraction		Total Weight,	Amount for Postage	\$
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Fifth Zone within 600 to 1000 miles	15c	5c	5.5c			
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# Now! A New Kind of Lawn from All-New Grasses



Life-size Closeup Taken in July of Merion Blue Grass Turf Cut with Mower, Set  $\frac{3}{4}$ -in. Note Heavy Stand, Healthy Texture and Vigorous Weedless Growth.

RESEARCH on lawn problems conducted for many years is made available to amateurs in Vaughan's Merion Blue Grass Formula, which gives promise of revolutionizing lawn making practice. Traditional rules for lawn mixtures are discarded, and the grasses used in such mixtures for the past century passed-by, to produce lawn seed which has all the virtues of the old-time blends, without the faults which have often made the task of maintaining lawn beauty throughout the garden season difficult.

All grass seed prices subject to change without notice.

Bags included on all grass seed gross for net. All grass seed prices net cash, F. O. B. Chicago and New York and subject to change without notice.

## LAWN MIXTURES

### Vaughan's "Private Estate" Bent Formula

A very fancy mixture containing an important percentage of the Bent grasses. Makes a beautiful velvety lawn. More practical than pure bent lawns.

(Retail at \$1.35 per lb.) Price, \$89.00 per 100 lbs.; 5-lb. bags (ea., \$4.65), per 100 lbs., \$91.00; 1-lb. cartons (ea., 95c), per 100 lbs., \$93.00. Orders for 10 to 25 lbs., 92c per lb.

## SPECIAL MIXTURES

If interested in cheaper mixtures or formulas other than we list let us know and we will be glad to quote.

### Vaughan's Chicago Parks Formula

1-lb. carton, each, 80c (Retail for \$1.15)	.....	\$76.00
2 and 3-lb. cartons	.....	75.00
5-lb. cartons or bags (each, \$3.90)	.....	74.00
Per 100 lbs.		
10 and 15-lb. bags	.....	\$73.50
100 lb. lots	.....	72.00
50 and 25-lb. bags	.....	73.00
500 lb. lots	.....	71.00

Lots of 10 to 25 lbs., 74 $\frac{1}{2}$ c lb. On Larger Lots Ask For Prices.

We offer this same mixture, without White Clover, under the name Vaughan's "Fairway" Mixture, at prices the same as "Chicago Parks."

### Vaughan's Columbian (Shady Place Formula)

Especially adapted for medium shade and sandy soils.

Prices Same as Chicago Parks

### Vaughan's Dense Shade Formula

Composed of grasses most suited for growing in heavily shaded situations. Is also satisfactory in moderate shade. This is an exceptionally fine shade mixture and now includes the splendid new creeping red fescue. Grass grown in the shade requires extra care. Ask for Lawn Grass pamphlet for directions.

Prices Same as Chicago Parks

### Vaughan's Excel Lawn Mixture

A Good Mixture for Quick Results

100 lb. bags, \$55.00; 1-lb. cartons (ea., 60c), \$59.00 per 100 lbs.; 5-lb. bags (ea., \$2.90), \$57.00 per 100 lbs.; 10 to 25 lbs., 57 $\frac{1}{2}$ c per lb.; retails 90c per lb.

Ask for quotations on grasses not listed.

## MERION BLUE GRASS FORMULA — 100% Perennial Grasses

Contains: Merion Blue Grass, Illahee Creeping Fescue, Highland Bent. 1 lb., \$1.75; 5 lbs., \$1.70 per lb.; 10 lbs., \$1.65 per lb.; 50 lbs., \$1.62 per lb.; 100 lbs., \$1.60 per lb. Retail for \$2.75.

Produces thicker turf, stays greener all summer and stands closest mowing. 1 lb. covers 750 sq. ft., 3 times as much as standard blue grass mixtures, thus being no more expensive to sow an equal area

**Merion Blue Grass**, propagated from a single plant selection, which has demonstrated in trials throughout the country ability to stay green all summer, stand close mowing, and resist leaf spot and other diseases. Because its growth is more stocky and spreading than standard blue grass, it covers more ground, and less seed is required for a given area. We regard it the most important lawn grass introduction in the last century.

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**Highland Bent**, dry land or upland bent, more drought and disease resistant than most bents and not requiring the care of creeping bent, it spreads underground and makes a thick turf, helping keep down weeds and spreading quickly to cover bare spots.

## MERION BLUE GRASS

For those desiring straight Merion Blue Grass we can offer up to a maximum of 100 lbs. per customer due to the limited quantity. One lb. will sow 750 sq. ft. 1 lb., \$3.25 per lb.; 5 lbs., \$3.20 per lb.; 10 lbs., \$3.15 per lb.; 50 lbs., \$3.10 per lb.; 100 lbs., \$3.00 per lb. Retail for \$4.50 per lb.

## FANCY GRASSES

Orders will be booked at the lowest price on day received. Order early and avoid transportation difficulties.

**KENTUCKY BLUE GRASS.** Our blue grass is all recleaned to fancy purities with low weed content and is of high germination.

**Fancy.** Purity 85%. Full bags (112 lbs.), \$56.00 per 100 lbs.; less than 112 lbs., 58c per lb.; 10 to 25 lbs., 60c per lb.

**Standard.** Purity 80%. Full bags (112 lbs.), \$54.00 per 100 lbs.; less than 112 lbs., 56c per lb.; 10 to 25 lbs., 58c per lb.

**Extra Fancy Seed.** Purity about 90%. Full bags (112 lbs.), \$61.00 per 100 lbs.; less than 112 lbs., 63c per lb.; 10 to 25 lbs., 65c per lb.

**Refined Sun Cured.** Purity about 97 to 98%. Full bags (112 lbs.), \$68.00 per 100 lbs.; less than 112 lbs., 70c per lb.; 10 to 25 lbs., 72c per lb.

**RED TOP, Refined.** Extra Recleaned Purity 97 to 98%. Full bags (100 lbs.), \$46.00 per 100 lbs.; broken bags, 48c per lb.; 10 to 25 lbs., 50c per lb.

**Extra Fancy.** Purity 95%. Full bags (100 lbs.), \$42.00 per 100 lbs.; broken bags, 44c per lb.; 10 to 25 lbs., 46c per lb.

**Fancy.** Purity 92%. Full bags (100 lbs.), \$40.00 per 100 lbs.; broken bags, 42c per lb.; 10 to 25 lbs., 44c per lb.

**CLOVER, White Dutch.**

**Extra Fancy.** \$78.00 per 100 lbs.; less than 100 lbs., 80c per lb.; 10 to 25 lbs., 82c per lb.

**PERENNIAL RYE GRASS.** \$21.00 per 100 lbs.; broken bags, 22c per lb.; 10 to 25 lbs., 23c per lb.

**RYE GRASS Common, Native Grown.** Full bags (100 lbs.), \$14.00 per 100 lbs.; broken bags, 15c per lb.; 10 to 25 lbs., 16c per lb.

**CHEWING'S FESCUE.** Full bags (115 lbs.), \$80.00 per 100 lbs.; broken bags, 82c per lb.; 10 to 25 lbs., 84c per lb.

**CREeping RED FESCUE.** A variety of fescue superior to Chewings. 100 lbs., \$80.00; less than 100 lbs., 82c per lb.; 10 to 25 lbs., 84c per lb.

**Illlahee Strain** \$6.00 per 100 lb. higher.

**ALTA FESCUE.** A new development—excellent for roadsides, airports, etc.—quite drought resistant—deep root system—quite coarse for lawn purposes—100 lbs., \$65.00; less than 100 lbs., 67c per lb.

**POA TRIVIALIS.** \$62.00 per 100 lbs.; broken bags, 64c per lb.; 10 to 25 lbs., 66c per lb.

**ASTORIA BENT, Certified Blue Tag.** Full bags (100 lbs.), \$105.00 per 100 lbs.; broken bags, \$1.10 per lb.; 10 to 25 lbs., \$1.15 per lb.

**SEASIDE BENT, Certified Blue Tag.** Full bags, \$105.00 per 100 lbs.; broken bags, \$1.10 per lb.; 10 to 25 lbs., \$1.15 per lb.

**HIGHLAND BENT.** Full bags, \$90.00 per 100 lbs.; broken bags, 95c per lb.; 10 to 25 lbs., \$1.00 per lb.





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**CHICAGO 6, ILL.**



BEFORE SEALING THIS FLAP BE SURE  
That your remittance is enclosed and your name  
and address are plainly written





# P E T U N I A

## **Vaughan's Formula All Double Giant Mixture**

Trade pkt., \$3.50; ½ trade pkt., \$2.00; 1-128 oz., \$6.50; 1-64 oz., \$12.50.